System Control CSCI

Operations Configuration Manager (OPSCM) CSC

Thor CSCI Integration Test Procedures Document

84K06576-002-02 Rev B

February 4, 1998

Approved By:

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REVISION HISTORY

REV	DESCRIPTION	DATE

LIST OF EFFECTIVE PAGES				
Dates of issue of change pages are:				
Page No.	**A or D***	**Issue or Change No.**	**CR No.**	**Effective Date****

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1. SCOPE

This document defines the test approach and procedures to be executed for the Thor delivery of System Control CSCI / CMTOOLS and Operational Configuration Management (OPSCM) CSCs by CLCS Software Development. Testing will occur at the Kennedy Space Center in the Processing Control Center (PCC) Satellite Development Environment (SDE) and the Integrated Development Environment in the Launch Control Center.

1.1 IDENTIFICATION

This document is the Checkout and Launch Control System (CLCS) Thor Delivery CSCI Integration Test Procedures for System Control CSCI / CMTOOLS and OPSCM CSC Document, 84K06576-002-02 Rev A.

1.2 PURPOSE

The purpose of this document is to define a suite of test procedures that will accurately assess the delivered software to ensure it is functional and meets project commitments for the Thor delivery.

1.3 CSCI OVERVIEW

The System Control CSCI is composed of the following CSCs: OPSCM CSC, CMTOOLS CSC and Global CSC. The CMTOOLS CSC resides in the Data Distribution Processor (DDP), the Command and Control Workstation (CCWS), and the Command and Control Processor (CCP). The System Control CSCI coordinates the collection and distribution of software baselines and configuration managed data from the build output area to the final directory structure on each target platform. System Control supports the concept of activities, which allow master controllers to define the software baselines and target platforms required to support a given test run or mission.

1.4 HARDWARE AND SOFTWARE CONFIGURATIONS

OPSCM requires entire test sets for CIT testing. This includes CCWS, DDPs, CCPs, gateways, CM Servers and the Auspex. Drawings for the IDE test set OPSCM uses for testing can be found at the following URL: http://sph57.ksc.nasa.gov/clcsweb/CMSN-Drawings/ide/ide001.htm.

1.5 DOCUMENT ORGANIZATION

This document is divided into three sections and four appendices:

Section 1, Scope discusses the purpose of the CSCI Integration Test, provides a system overview, and describes software and hardware configurations for the system.

Section 2, Applicable Documents, lists the documents used to create and those supporting this document

Section 3, Test Case Description, contains a description of the test cases, the pass fail criteria, and the procedures in detail

Appendix A, Acronyms and Definitions, contains a listing of acronyms and selected word definitions (for words which may have multiple interpretations).

Appendix B, Requirements Traceability and Test Methods Matrix, contains the requirements verification matrix for the test

Appendix C, Resource Requirements, contains the list of software, hardware, and personnel requirements necessary for each test.

Appendix D, Standard Operating Test Procedures, contains any specific, standard procedures identified within the test cases.

Appendix E, Thor Modified Pos-login CIT Procedures, contains procedures that test the modifications to pos-login specified in the addendum to the OPSCM DP3. These procedures (and their corresponding requirements) do not fall under the System Control / OPSCM CSCI, but are included here for completeness

2. Applicable Documentation

The following documents, of the revision shown, form a part of this document to the extent specified.

2.1 PARENT DOCUMENTS

The documents in this paragraph establish the criteria and technical basis for the existence of this document. The parent documents are:

Parent Document	Document Number	Rev.	Date
CLCS System Level Specification	84K00200-000	Basic	6/26/1997
Operations Configuration Manager CSC Design Panel 3 and Addendum	84K00570-010	A	12/04/97

2.2 APPLICABLE DOCUMENTS

Applicable Documents are those documents that form part of this document. These documents, at the revisions listed below, carry the same weight as if they were stated within the body of this document.

Applicable Document	Document Number	Rev.	Date
Operations Configuration Manager Software User's Guide	84K07515-001	A	TBD
Gateway Common Services CSCI to System Control CSCI OPSCM CSC Interface Definition Document	84K00360-001	BASIC	May 1997
CSCI Integration Test Procedures for System Services	84K00600-002	BASIC	9/11/97

2.3 REFERENCE DOCUMENTS

Reference Documents are those documents which, though not part of this document, serve to clarify the intent and contents of this document.

Applicable Document	Document Number	Rev.	Date

None			

3. TEST CASE DESCRIPTION

This section describes each test case, the expected results, the pass/fail criteria, and a step by step procedure to execute the test. Appendix B contains the Requirements Traceability and Test Methods Matrix, which maps functional requirements to the test case that verifies those requirements. Test cases are stand alone, and can be executed in any order, however, it is recommended to run the test cases in the order in which they are presented.

3.1 REPOSITORY MANAGEMENT

The SCID and TCID software are introduced into the OPSCM Repository on the Auspex server through use of software tools provided by OPSCM

3.1.1 Test Description

3.1.1.1 Detailed Description

This test case will demonstrate the ability to move a SCID and TCID baseline from the Build Repository into the OPSCM Repository. The test will demonstrate the ability to load an entire baseline. The test will successfully promote a baseline from the test area into the verified area of the OPSCM Repository. The test will demonstrate the ability to remove baselines from the test and verified repositories.

3.1.1.2 Resources Requirements

3.1.1.2.1 Test Personnel

Personnel required include

1. Test Conductors - System Control Engineers experienced with the software being tested.
2. Quality Assurance Witness
3. OS Support
4. Integration and Test

3.1.1.2.2 Hardware

The following hardware is required:

- 1 Auspex server and one CCWS

3.1.1.2.3 Software

The following software is required:

- CMTOOLS CSC software loaded on the Auspex platform.

3.1.1.2.4 Data

The following data is required:

- Software Build Baseline located in the Build Output Repository
- Test Software Baseline on OPSCM repository t_scid_rep area (used for promote)

3.1.1.3 Requirements Summary

This test case demonstrates that the following functional requirements are met:

Requirement Number	Description
1.2.3.1a-f	Demonstrate OPSCM repositories
1.2.3.2 (deferred)	Introduce a single subsystem change into the SCID test repository Requirement deferred per Issue #107
1.2.3.3	Introduce an SCID into the test repository
1.2.3.4	Introduce an TCID into the test repository
1.2.3.5	Introduce an TCID into the Uncert repository
1.2.3.6	SCID Promote
1.2.3.7	TCID Promote
1.2.3.8	Prevent overwriting an existing SCID baseline
1.2.3.9	Prevent overwriting an existing TCID baseline
1.2.3.10	Prevent unauthorized SCID promotion
1.2.3.11	*"Golden" State Validation (Future)*
1.2.3.12	Prevent unauthorized TCID promotion (Future)
1.2.3.13	Delete SCID baseline
1.2.3.14	Delete TCID baseline

3.1.2 Pass/Fail Criteria

Successful completion of the test procedures without any problems that would result in the generation of any critical issues and without an excessive number of major issue reports will be sufficient for this test to be considered passed.

3.1.3 Procedure

Refer to Procedure 3.1 in Table 3.1 for test procedures

3.2 ACTIVITY MANAGER

Activity Manager is used to define and manage activity definitions in CLCS. Activity definitions contain information about which SCID and TCID baselines are to be used for a given test.

3.2.1 Test Description

3.2.1.1 Detailed Description

This test case will demonstrate the ability to create, modify, delete, activate and deactivate activity definitions that will be used to download specified baselines to specified platforms. The Master Controllers run the Activity Manager on a CCWS platform

3.2.1.2 Resources Requirements

3.2.1.2.1 Test Personnel

Personnel required include

1. Test Conductor - System Control Engineer experienced with the software being tested. TC must have an authorized position to run Activity Manager
2. Quality Assurance Witness
3. OS Support
4. Integration and Test

3.2.1.2.2 Hardwarex

The following hardware is required:

- 2 CCWS workstations and 1 local CM Server

3.2.1.2.3 Software

The following software is required:

- CMTOOLS CSC software loaded on the CCWS platform.

3.2.1.2.4 Data

The following data is required:

- No special data files are required. Activity Manager uses it's own data files and stores its own output files

3.2.1.3 Requirements Summary

This test case demonstrates that the following functional requirements are met:

Requirement Number	Description
1.2.4.1	Manage Activities in CLCS
1.2.4.2	Provide Graphical User Interface
1.2.4.3	Add Activities
1.2.4.4	Modify Activities
1.2.4.5	Delete Activities
1.2.4.6	Confirm Activity Delete
1.2.4.7	Activate Activity
1.2.4.8	Deactivate Activity
1.2.4.9	Deactivate an activity in use with user override
1.2.4.10	Specify Verified Software
1.2.4.11	Associate and activity with an activity type
1.2.4.13	Define SCID and TCID baselines
1.2.4.14	Activity types of OPS, SIM, and DEV
1.2.5.17	Default load set to verified for OPS Activities
1.2.5.18	Override OPS activities with unverified SW
1.2.8.1	OPSCM functions Logging
1.2.8.2	Logging user requests of OPSCM functions
1.2.8.3	Human readable logs
1.2.8.5	Log Error events
1.2.8.8a	Log initiation of OPSCM functions
1.2.8.8b	Log initiation of selected stages of OPSCM functions
1.2.8.8c	Log initiation of successful completion of OPSCM functions
1.2.8.8d	Log initiation of unsuccessful completion of OPSCM functions

3.2.2 Pass/Fail Criteria

Successful completion of the test procedures without any problems that would result in the generation of any critical issues and without an excessive number of major issue reports will be sufficient for this test to be considered passed.

3.2.3 Procedure

Refer to Procedure 3.2 in Table 3.1 for test procedures

3.3 PLATFORM DOWNLOAD

The Platform Download tool is used by the Master Controller to initiate the download of software to one or more target platforms. The download is based on the selected activity

3.3.1 Test Description

3.3.1.1 Detailed Description

This test case will demonstrate the ability to Download TCID and/or SCID baselines (along with associated applications and user files) to a selected list of target platforms. The GUI will display the current baseline status of the target platforms, selected by platform type, and display messages about the download operation. Download verification will be made.

3.3.1.2 Resources Requirements

3.3.1.2.1 Test Personnel

Personnel required include

1. Test Conductors - System Control Engineers experienced with the software being tested.
2. Quality Assurance Witness
3. OS Support
4. Integration and Test

3.3.1.2.2 Hardware

The following hardware is required:

- 2 CCWS workstations (one MCWS), 1 DDP and 1 CCP server, and 1 local CM Server

3.3.1.3 Software

The following software is required:

- CMTOOLS CSC software loaded on the CCWS platform.
- CMTOOLS CSC daemon processes running on each target platform
- SCID and TCID baselines exist on CM server

3.3.1.3.1 Data

The following data is required:

- No special data files are required. Download will use activity data created by Activity Manager

3.3.1.4 Requirements Summary

This test case demonstrated that the following functional requirements are met:

Requirement Number	Description
1.2.5.1	SCID to Single Platform
1.2.5.2	TCID to Single Platform
1.2.5.3	SCID and TCID to Single Platform in one operation
1.2.5.4	Download GUI
1.2.5.5	SCID to multiple platforms
1.2.5.6	TCID to multiple platforms
1.2.5.7	SCID and TCID to multiple platforms in one operation
1.2.5.8	Check for existing SCID prior to download
1.2.5.9	Check for existing TCID prior to download
1.2.5.10	Bypass download if baseline exists on target platform
1.2.5.11	Force download if baseline exists on target platform
1.2.5.12	Set default ownerships on downloaded baseline
1.2.5.13	Set specified ownerships on downloaded baseline
1.2.5.14	Remove old baseline prior to download
1.2.5.16	Verify downloaded software
1.2.6.1c	Initialize GUI
1.2.6.1i	Termination performed prior to platform download
1.2.8.1	OPSCM functions Logging
1.2.8.2	Logging user requests of OPSCM functions
1.2.8.3	Human readable logs
1.2.8.5	Log Error events
1.2.8.8a	Log initiation of OPSCM functions
1.2.8.8b	Log initiation of selected stages of OPSCM functions
1.2.8.8c	Log initiation of successful completion of OPSCM functions
1.2.8.8d	Log initiation of unsuccessful completion of OPSCM functions

3.3.2 Pass/Fail Criteria

Successful completion of the test procedures without any problems that would result in the generation of any critical issues and without an excessive number of major issue reports will be sufficient for this test to be considered passed.

3.3.3 Procedure

Refer to Procedure 3.3 in Table 3.1 for test procedures

3.4 GATEWAY DOWNLOAD

The Download tool is used by the Master Controller to initiate the download of software to one Gateway. The download is based on the selected activity

3.4.1 Test Description

3.4.1.1 Detailed Description

This test case will demonstrate the ability to Download TCID and/or SCID baselines to a gateway platform. The GUI will display the current baseline status of the target gateways, and display messages about the download operation. Download verification will be made.

3.4.1.2 Resources Requirements

3.4.1.3 Test Personnel

Personnel required include

1. Test Conductors - System Control Engineers experienced with the software being tested.
2. Quality Assurance Witness
3. OS Support
4. Integration and Test

3.4.1.3.1 Hardware

The following hardware is required:

- 1 MCWS workstation, 1 Gateway, and 1 local CM Server

3.4.1.3.2 Software

The following software is required:

- Gateways are preloaded with SCID software
- CMTOOLS CSC daemon processes running on CM Server.
- CCWS contains testing version of sct_cmtools.

3.4.1.3.3 Data

The following data is required:

- No special data files are required. Download will use activity data created by Activity Manager.
- Valid Gateway SCID and TCID baselines are available on Local CM Server.

3.4.1.3.4 Requirements Summary

This test case demonstrates that the following functional requirements are met:

Requirement Number	Description
1.2.5.1	SCID to Single Platform
1.2.5.2	TCID to Single Platform
1.2.5.3	SCID and TCID to Single Platform in one operation
1.2.5.4	Download GUI
1.2.5.5	SCID to multiple platforms
1.2.5.6	TCID to multiple platforms
1.2.5.7	SCID and TCID to multiple platforms in one operation
1.2.5.8	Check for existing SCID prior to download
1.2.5.9	Check for existing TCID prior to download
1.2.5.10	Bypass download if baseline exists on target platform
1.2.5.11	Force download if baseline exists on target platform
1.2.5.12 (N/A)	Set default ownerships on downloaded baseline Not applicable to gateway
1.2.5.13 (N/A)	Set specified ownerships on downloaded baseline Not applicable to gateway
1.2.5.14 (N/A)	Remove old baseline prior to download Not applicable to gateway
1.2.5.16 (N/A)	Verify downloaded software Not applicable to gateway
1.2.7.6a-h	Gateway PPT information
1.2.8.1	OPSCM functions Logging
1.2.8.2	Logging user requests of OPSCM functions
1.2.8.3	Human readable logs
1.2.8.5	Log Error events
1.2.8.8a	Log initiation of OPSCM functions
1.2.8.8b	Log initiation of selected stages of OPSCM functions
1.2.8.8c	Log initiation of successful completion of OPSCM functions
1.2.8.8d	Log initiation of unsuccessful completion of OPSCM functions

3.4.2 Pass/Fail Criteria

Successful completion of the test procedures without any problems that would result in the generation of any critical issues and without an excessive number of major issue reports will be sufficient for this test to be considered passed.

3.4.3 Procedure

Refer to Procedure 3.4 in Table 3.1 for test procedures

3.5 CCWS INITIALIZATION / TERMINATION

This has been rolled into section 3.6 DDP/CCP/CCWS Initialization and Termination.

3.6 DDP/CCP/CCWS INITIALIZATION / TERMINATION

The Software on the DDP/CCP/CCWS is initialized by the Master Controller as part of the download process or independently. CCP/DDP Initialization is tied to the downloaded activity. Initialization will start up the system services software and initialize server specific start up scripts.

3.6.1 Test Description

3.6.1.1 Detailed Description

This test case will demonstrate the ability to configure a CCP/DDP/CCWS platform to a given activity. Termination is also tested

3.6.1.2 Resources Requirements

3.6.1.2.1 Test Personnel

Personnel required include

1. Test Conductors - System Control Engineers experienced with the software being tested.
2. Quality Assurance Witness
3. OS Support
4. Integration and Test

3.6.1.2.2 Hardware

The following hardware is required:

- 2 CCWS workstations (one MCWS), 1 DDP and 1 CCP, and 1 local CM Server

3.6.1.2.3 Software

The following software is required:

- CMTOOLS CSC software loaded on the CCWS platform.
- The platform(s) is loaded with a valid SCID Baseline
- The platforms have the appropriate OPSCM Daemons running.

3.6.1.2.4 Data

The following data is required:

- No special data files are required.
- Server specific software and data files are part of the SCID load.

3.6.1.3 Requirements Summary

This test case demonstrates that the following functional requirements are met:

Requirement Number	Description
1.2.6.1a	Initialize system Software
1.2.6.1b	Initialization based on activity data
1.2.6.1c	Initialization through CCWS GUI
1.2.6.1d	SCID start-up script
1.2.6.1.e	Subsystem specific start-up script
1.2.6.1f	Terminate SCID processes
1.2.6.1g	Terminate Positional processes
1.2.6.1h	Remove local temporary files
1.2.6.1i	Terminate performed by command
1.2.6.3a	Initialize based on platform type
1.2.6.3b	Report current status of
1.2.6.3c	CCWS GUI for controlling configure / deconfigure
1.2.7.1a-j	PPT information
1.2.8.1	OPSCM functions Logging
1.2.8.2	Logging user requests of OPSCM functions
1.2.8.3	Human readable logs
1.2.8.5	Log Error events
1.2.8.6	Successful Initialization system message
1.2.8.7	Unsuccessful Initialization system message
1.2.8.8a	Log initialization of OPSCM functions
1.2.8.8b	Log initialization of selected stages of OPSCM functions
1.2.8.8c	Log initialization of successful completion of OPSCM functions
1.2.8.8d	Log initialization of unsuccessful completion of OPSCM functions

3.6.2 Pass/Fail Criteria

Successful completion of the test procedures without any problems that would result in the generation of any critical issues and without an excessive number of major issue reports will be sufficient for this test to be considered passed.

3.6.3 Procedure

Refer to Procedure 3.6 in Table 3.1 for test procedures

3.7 GATEWAY INITIALIZATION

The Software on the gateway is initialized by the Master Controller as part of the download process or independently. Gateway initialization is tied to the downloaded activity.

3.7.1 Test Description

3.7.1.1 Detailed Description

This test case will demonstrate the ability to configure a gateway platform to a given activity. Termination is also tested

3.7.1.2 Resources Requirements

3.7.1.2.1 Test Personnel

Personnel required include

1. Test Conductors - System Control Engineers experienced with the software being tested.
2. Quality Assurance Witness
3. OS Support
4. Integration and Test

3.7.1.2.2 Hardware

The following hardware is required:

- 1 CCWS workstation, 1 Gateway and 1 local CM Server

3.7.1.2.3 Software

The following software is required:

- CMTOOLS CSC software loaded on the CCWS platform.
- The gateway is loaded with a valid SCID and TCID Baseline
- The CM Server has the appropriate OPSCM Daemons running.

3.7.1.2.4 Data

The following data is required:

- No special data files are required.

3.7.1.3 Requirements Summary

This test case demonstrates that the following functional requirements are met:

Requirement Number	Description
1.2.6.1a	Initialize system Software
1.2.6.1c	Initialization based on activity data
1.2.6.4a	Report current mode, TCID, and SCID of Gateway Platform
1.2.6.4b	CCWS GUI for controlling gateway initialize and terminate
1.2.6.4c	CCWS GUI for displaying gateway status
1.2.8.1	OPSCM functions Logging
1.2.8.2	Logging user requests of OPSCM functions
1.2.8.3	Human readable logs
1.2.8.5	Log Error events
1.2.8.6	Successful Initialization system message
1.2.8.7	Unsuccessful Initialization system message
1.2.8.8a	Log initialization of OPSCM functions
1.2.8.8b	Log initialization of selected stages of OPSCM functions
1.2.8.8c	Log initialization of successful completion of OPSCM functions
1.2.8.8d	Log initialization of unsuccessful completion of OPSCM functions

3.7.2 Pass/Fail Criteria

Successful completion of the test procedures without any problems that would result in the generation of any critical issues and without an excessive number of major issue reports will be sufficient for this test to be considered passed.

3.7.3 Procedure

Refer to Procedure 3.7 in Table 3.1 for test procedures

3.8 ACTIVITY USAGE

Activity Usage is a GUI available at all CCWS's that allow users to view the current configuration of each CCWS, CCP, and DDP in the current activity environment.

3.8.1 Test Description

3.8.1.1 Detailed Description

This test demonstrates the use of the Activity Usage GUI to view, search, print and monitor changes in platform configurations within the current operating environment.

3.8.1.2 Resources Requirements

3.8.1.2.1 Test Personnel

Personnel required include

1. Test Conductors - System Control Engineers experienced with the software being tested.
2. Quality Assurance Witness
3. OS Support
4. Integration and Test

3.8.1.2.2 Hardware

The following hardware is required:

- 2 CCWS workstations

3.8.1.2.3 Software

The following software is required:

- CMTOOLS CSC software loaded on the CCWS platform.
- The CCWS's are loaded with a valid SCID and TCID Baseline

3.8.1.2.4 Data

The following data is required:

- No special data files are required.

3.8.1.3 Requirements Summary

This test case demonstrates that the following functional requirements are met:

Requirement Number	Description
1.2.4.12	Display activities that Platforms are supporting
1.2.5.16	Display current software loads per platform
1.2.8.1	OPSCM functions Logging
1.2.8.2	Logging user requests of OPSCM functions
1.2.8.3	Human readable logs
1.2.8.5	Log Error events
1.2.8.8a	Log initialization of OPSCM functions
1.2.8.8b	Log initialization of selected stages of OPSCM functions
1.2.8.8c	Log initialization of successful completion of OPSCM functions
1.2.8.8d	Log initialization of unsuccessful completion of OPSCM functions

3.8.2 Pass/Fail Criteria

Successful completion of the test procedures without any problems that would result in the generation of any critical issues and without an excessive number of major issue reports will be sufficient for this test to be considered passed.

3.8.3 Procedure

Refer to Procedure 3.8 in Table 3.1 for test procedures

3.9 PPT API

OPSCM provides a set of APIs for user applications to access information in the Platform Parameter Table (PPT).

3.9.1 Test Description

3.9.1.1 Detailed Description

Using OPSCM provided tools, load and remove information from the Platform Parameter Table.

3.9.1.2 Resources Requirements

3.9.1.2.1 Test Personnel

Personnel required include

1. Test Conductors - System Control Engineers experienced with the software being tested.
2. Quality Assurance Witness
3. OS Support
4. Integration and Test

3.9.1.2.2 Hardware

The following hardware is required:

- 1 CCWS workstation

3.9.1.2.3 Software

The following software is required:

- CMTOOLS CSC software loaded on the CCWS platform (including PPT tools)
- The CCWS is loaded with a valid SCID Baseline

3.9.1.2.4 Data

The following data is required:

- No special data files are required.

3.9.1.3 Requirements Summary

This test case demonstrated that the following functional requirements are met:

Requirement	Description

Number	
1.2.7.2	PPT API for all PPT contents
1.2.7.3	PPT API for single entry in PPT
1.2.7.4	PPT API for user name and group
1.2.8.1	OPSCM functions Logging
1.2.8.2	Logging user requests of OPSCM functions
1.2.8.3	Human readable logs
1.2.8.4	Log PPT contents
1.2.8.5	Log Error events
1.2.8.8a	Log initialization of OPSCM functions
1.2.8.8b	Log initialization of selected stages of OPSCM functions
1.2.8.8c	Log initialization of successful completion of OPSCM functions
1.2.8.8d	Log initialization of unsuccessful completion of OPSCM functions

3.9.2 Pass/Fail Criteria

Successful completion of the test procedures without any problems that would result in the generation of any critical issues and without an excessive number of major issue reports will be sufficient for this test to be considered passed.

3.9.3 Procedure

Refer to Procedure 3.9 in Table 3.1 for test procedures

Table 3.1

Procedure 3-1 - TESTCASE 1. Examination of Server Repositories. Checkin SCID Baseline. **Repository Management** **Date:** **Location:** **Start Time:**					
Test Setup/Initial Conditions - ~~SCID scid_delivery.Thor.1.2 must exist in /net/user8/CLCS/Ops_CM/clcs/t_scid_rep. SCID scid_ops.Thor.1.33 must not exist in /net/user8/CLCS/Ops_CM/clcs/t_scid_rep~~. – **SCID scid_dev.thor.1.5 must exist in /net/user8/CLCS/Ops_CM/clcs/t_scid_rep** **- SCID scid_dev.thor.1.7 must not exist in /net/user8/CLCS/Ops_CM/clcs/t_scid_dev** **- Checkout Read only 'cmcheckin.csh' script from Razor and placed it in the directory (/net/user7/sjvo/CM_TOOLS) which you want to execute from.**					
Step	**Description**	**Expected Results**	**Comments**	**TC**	**QA**
1	Log on to Workstation~~Auspex~~.				
2	Log on as SCID builder Type: ~~(~~su ~~as~~ scidbld~~)~~				
3	Determine existing SCID baseline. Type "ls -l /net/user8/CLCS/Ops_CM/clcs/t_scid_rep <Enter>"	Listing of existing baseline will appear.			
4	Change to the directory where repository management tool resides~~d~~ Type: ~~(~~/net/user7/sjvo/CM_TOOLS~~)~~<Enter>				
4.a	Change execute permission. Type> '***chmod 755 cmcheckin.csh*** <Enter>				
5	Run cmcheckin.csh script. Type "./cmcheckin.csh <Enter>"	After the script is executed the "CLCS Checkin Utility" menu will appear on the screen. The user will be given 4 options to select from.			

6	To checkin “SCID Baseline”. Type “1 <Enter>”	The message “CLCS SCID Baseline Checkin” will appear on the screen. The user will be given 2 options to select from.			
7	Checkin “Informal” baseline. Type “1 <Enter>”	The message “There are no SCIDs available”. Press Return for main menu. For Thor, this selection does not apply			
7a	Repeat Step 6	Same Result as step 6			
8	Checkin “Formal” baseline. Type “2 <Enter>”	The message “CLCS SCID Baseline Checkin” will appear on the screen. The script will list valid SCID names. The user is prompted to enter a valid SCID name or type ‘m’ to return to “OPSCM: CLCS CHECKIN UTILITY” menu.			
9	Choose from a list of SCID names. Type ~~“scid_delivery_Thor.1.2 <Enter>”~~ ‘***scid_dev.thor.1.5*** <Enter>’	Valid SCID name will appear on the screen. ~~The message “Do you want to checkin this SCID name: ‘SCID name’?”~~ “Enter y” to confirm CLCS SCID Baseline checkin or “n” to start over [y/n]” will be displayed on the screen.			
10	To return to Main Menu. Type “n <Enter>”	Will return to the “OPSCM: CLCS CHECKIN UTILITY” menu.			
11	Repeat steps ~~4-7~~6, 8, & 9				
12	To checkin SCID baseline. Type “y <Enter>”	~~If t~~The SCID Baseline directory under the repository path, ‘t_scid_rep’, already exists.~~,~~ A message will be displayed that the SCID Baseline Directory already exists. T~~t~~he user will not be able to checkin with the same baseline name. Press <Enter> to return to the main menu.			
13	~~Press <Enter>, then r~~Repeat steps 6 and 8. ~~epeat steps 6, 8 and 9. At step 9,~~	~~If t~~The SCID Baseline does not exist. T~~t~~he script will perform the following steps:			

	~~choose scid_ops.Thor.1.33~~ Type> '***scid_dev.thor.1.7*** <Enter>' then Type>'***y*** <Enter>'	1) Create SCID name directory under Ops_CM path. 2) Make subsystem type directory under Ops_CM path. 3) Make ~~csci~~ CSCI directory under Ops_CM path. 4) Create link from CSCI~~csci~~ directory under Build_area path to CSCI~~csci~~ directory under Ops_CM path. 5) Create tar file and place under subsystem type directory. Message "Do you wish to create output for the tar files? (y/n)" will display on the screen.			
14	To return to the Main Menu without creating the output file for the tar files. Type "n <Enter>"then <Enter> again	Will return to the menu "OPSCM: CLCS CHECKIN UTILITY"			
14.a	Repeat steps 6, 8, and 13	Same Results as steps 6, 8, and 13			
15	To create the output file for the tar files. Type "y <Enter>"	Create the output file from platform directory under Ops_cm path.			
	Press <Enter> for Main Menu then Type q <Enter>	"OPSCM: CLCS CHECKIN UTILITY" menu will be displayed.			

End Time:

Signature Page: Procedure 3-1 - TESTCASE 1. Examination of Server Repositories.
Checkin SCID Baseline.
Repository Management

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-1 - TESTCASE 2. Examination of Server Repositories. Checkin TCID Baseline.
Repository Management **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - ~~TCID SBC087B0 exists in /net/user8/CLCS/Ops_CM/clcs/tcid_rep and u_apps_rep. TCID SA0840 does not exist in /net/user8/CLCS/Ops_CM/clcs/tcid_rep and u_apps_rep.~~

- TCID SBC087B0 exists in /net/user8/CLCS/Ops_CM/clcs/tcid_rep and u_apps_rep

- TCID SAB089A10 does not exist in /net/user8/CLCS/Ops_CM/clcs/tcid_rep and u_apps_rep
- Checkout Read only 'cmcheckin.csh' script from Razor and placed it in the directory (/net/user7/sjvo/CM_TOOLS) which you want to execute from.

Step	Description	Expected Results	Comments	TC	QA
1	Log on to ~~Auspex~~Workstation.				
2	Change to the directory where repository management tool resides (/net/user7/sjvo/CM_TOOLS) Type "cd /net/user7/sjvo/CM_TOOLS				
3	Determine existing TCID baseline. Type "ls -l /net/user8/CLCS/Ops_CM/clcs/tcid_rep <Enter>"	Listing of existing baseline will appear.			
3a	Change execute permission. Type> '***chmod 755 cmcheckin.csh*** <Enter>'				
4	Run ../cmcheckin.csh script. Type "./cmcheckin.csh <Enter>"	After the script is executed the "OPSCM: CLCS CHECKIN UTILITY" menu will appear on the screen. The user will be given 4 options to select from.			
5	To checkin "TCID Baseline". Type	The message "CLCS TCID Baseline			

	"3 <Enter>"	Checkin" will appear on the screen. The script will list valid TCID names. The user is prompted to enter a valid TCID name or type 'm' to return to "~~OPSCM: CLCS CHECKIN UTILITY~~main" menu.			
6	From a list of valid TCID names. Type "SBC087B0 <Enter>"	Valid TCID name will appear on the screen. The message "Do you want to checkin this TCID name: 'TCID name' ?" "Enter y" to confirm CLCS TCID Baseline checkin or "n" to start over [y/n]" will display on the screen.			
7	To exit the TCID Baseline Checkin. Type "n <Enter>"	Will return to the "OPSCM: CLCS CHECKIN UTILITY" menu.			
7a	Repeat Steps 5 & 6	Same Results as steps 5 & 6			
8	To checkin "TCID Baseline". Type "y <Enter>"	If TCID Baseline directory under the repository path, 'tcid_rep' and 'u_apps_rep', already exists, a message will be displayed that the TCID baseline directory already exists. T~~t~~he user will not be able to checkin with the same baseline name. Press <Enter> for main menu. Checkin time is depending on the size of the file being checkin~~. Status message will display during checkin process~~.			
9	Press <Enter>, then repeat step~~s 4,~~ 5 ~~and 6. At step 6, choose SA084A0~~ Type "SAB089A10 <Enter> Then Type "y" <Enter>	The~~If~~ TCID Baseline does not exist. T~~t~~he script will perform the following steps: 1) Create ~~S~~TCID name directory under Ops_cm path. 2) Make platform directory under Ops_~~cm~~ CM path. 3) ~~Copy data from Build_area path to Ops_cm path.~~Create link from			

		Build_Area to Ops_CM under TCID name directory 4) ~~Create the tar file from Ops_cm path.~~Create the tar file and place under platform directory at Ops_CM path. Message “Do you wish to create output for the tar files? (y/n)” will display on the screen.			
10	To return to the Main Menu without creating the output file for the tar files. Type “n <Enter>”	Will return to the menu “OPSCM : CLCS CHECKIN UTILITY”			
10 a	Repeat Steps 5 and 9	Same results as steps 5 & 9			
11	To create the output file for the tar files. Type “y <Enter>”	Create the output file from platform directory under Ops_cm path.			
12	Press <Enter> for Main Menu then Type “q” <Enter>	“OPSCM: CLCS CHECKIN UTILITY” menu will be displayed.~~. Select type of product you would like to check in.~~			

End Time:

Signature Page: Procedure 3-1 - TESTCASE 2. Examination of Server Repositories.
Checkin TCID Baseline.
Repository Management

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

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Procedure 3-1 - TESTCASE 3. Examination of Server Repositories. Checkin Gateway Baseline. **Repository Management** **Date:** **Location:** **Start Time:**					
Test Setup/Initial Conditions - GW TCID SA084A0 must not exist in /net/user8/CLCS/Ops_CM/gw_rep. GW TCID SBC087B0 must exist in /net/user8/CLCS/Ops_CM/gw_rep.					
Step	**Description**	**Expected Results**	**Comments**	**TC**	**QA**
1	Log on to Auspex.				
2	Change to the directory where repository management tool resides. (/net/user7/sjvo/CM_TOOLS)				
3	Determine existing GW baseline. Type "ls -l /net/user8/CLCS/Ops_CM/clcs/gw_rep/gateway/GSE/GS4 <Enter>"				
4	Run "cmcheckin" script. Type "./cmcheckin <Enter>"	After the script is executed the "OPSCM: CLCS CHECKIN UTILITY" menu will appear on the screen. The user will be given 4 options to select from.			
5	To checkin "GATEWAY Baseline". Type "4 <Enter>"	The message "CLCS GATEWAY Baseline Checkin" will display on the screen. The user will be given 2 options to select from.			
6	To checkin SCID Gateway Baseline. Type "1 <Enter>"	The message "GATEWAY SCID is implemented in option 1. Type m for Main Menu." will appear.			
7	To checkin TCID Gateway Baseline. Type "2 <Enter>"	The message "Type in a valid gateway type you like to checkin:" will appear. A list of valid gateway types will show on the screen. The user must type in a valid gateway type.			
8	Type "GSE <Enter>"	The message "Type in a valid gateway			

		name you like to checkin:" appears. A list of valid gateway name will show on the screen. The user must type in a valid gateway name.			
9	Type "GS4 <Enter>"	The message "Type in a valid gateway TCID name you like to checkin:" appears. A list of valid gateway TCID name will show on the screen. The user must type in a valid gateway TCID name.			
10	Type "SBC087B0<Enter>"	The message "Enter y to confirm CLCS GATEWAY Baseline checkin or n to start over [y/n]" will display.			
11	To return to the Main Menu. Type "n <Enter>"	The Main Menu "OPSCM: CLCS CHECKIN UTILITY" will display.			
12	To continue checkin GATEWAY TCID. Type "y <Enter>"	If gateway TCID baseline already exists, the user will not be able to checkin with the same baseline name. Press <Enter> for the main menu.			
13	Press <Enter>, then repeat steps 5, 7, 8, 9 and 10. At step 10, choose SA084A0.	If gateway TCID does not exist the script will perform the following steps: 1) Make gateway TCID baseline directory under Ops_CM path. 2) Copy all files from Build_areas to Ops_CM path. Checkin time is depending on the size of the file being checkin. Status message will display during checkin process.			
12	Press <Enter> for Main Menu.	"OPSCM: CLCS CHECKIN UTILITY" menu will be displayed. Select type of product you would like to check in.			

End Time:

Signature Page: Procedure 3-1 - TESTCASE 3. Examination of Server Repositories. Checkin Gateway Baseline. Repository Management

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-1 - TESTCASE 4. Examination of Server Repositories. Promote SCID Baseline.
Repository Management **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions -

- SCID scid_dev.thor.1.7 must exist in /net/user8/CLCS/Ops_CM/clcs/t_scid_rep

- SCID scid_dev.thor.1.7 must not exist in /net/user8/CLCS/Ops_CM/clcs/scid_dev

- Checkout Read only 'cmpromote.csh' script from Razor and placed it in the directory (/net/user7/sjvo/CM_TOOLS) which you want to execute from.

Step	Description	Expected Results	Comments	TC	QA
1	Log on to ~~Auspex~~Workstation.				
2	Log on as SCID builder ~~(~~ Type: su ~~as~~ scidbld~~)~~ <Enter>				
2a	Determine the existing SCID baseline: Type: "ls –l /net/uer8/CLCS/Ops_CM/clcs /t_scid_rep" <Enter>	Listing of existing baselines will appear			
3	Change to the directory where repository management tool resided ~~(~~Type: "cd /net/user7/sjvo/CM_TOOLS~~)~~ "<Enter>				
3a	Change permissions Type: "chmod 755 cmpromote.csh" <Enter>				
4	Run "./cmpromote.csh" script. Type "./cmpromote.csh <Enter>"	After the script is executed the "OPSCM: CLCS PROMOTE UTILITY" menu will appear on the screen. The user will be given 2 options to select from.			

5	To promote SCID baseline. Type "1 <Enter>"	The message "CLCS SCID Promote" will appear on the screen.			
6	Choose from a list of SCID names. Type: "~~scid_name~~scid_dev.thor.1.7 <Enter>"	Valid SCID name will appear on the screen. The message "Enter y to confirm SCID promotion or n to start over [y/n]" will be displayed on the screen.			
7	To return to Main Menu. Type "n <Enter>"	Will return to the "OPSCM: CLCS PROMOTE UTILITY" menu.			
8	Repeat steps 5 and 6.	Same results as step 5 & 6			
9	To checkin SCID baseline. Type "y <Enter>"	~~If SCID baseline directory under the repository path, 't_scid_rep', already exists, the user will not be able to promote with the same baseline name. Press <Enter> for main menu.~~ The script will perform the following steps: 1) Make directory in scid_rep at the Ops_CM path. 2) "Tar" the scid_baseline from t_scid_rep to scid_rep at the Ops_CM path. Message "Do you want to remove SCID 'scid_name' remove or n to return to the main menu [y/n] will display on the screen			
10	~~Press <Enter>, then repeat steps 5, 8 and 9. At step 9, choose scid_name.~~	~~If SCID baseline does not exist, the script will perform the following steps:~~ ~~3) Make directory in scid_rep at the Ops_CM path.~~ ~~4) Copy the data from t_scid_rep to scid_rep at the Ops_CM path.~~ ~~Message "Do you want to remove SCID 'scid_name' remove or n to return to the~~			

		~~main menu [y/n] will display on the screen~~.			
11	To return to the main menu without remove the SCID baseline. Type "n <Enter>"	Will return to the menu "OPSCM: CLCS PROMOTE UTILITY".			
11a	Repeat Steps 5, 6, & 9	Same results as steps 5, 6, & 9			
12	To remove the SCID baseline. Type "y <Enter>"	Remove the SCID baseline under 't_scid_rep' at the Ops_CM path.			
13	Press <Enter> for Main Menu.then type "q" <Enter>	"OPSCM: CLCS PROMOTE UTILITY" menu will be displayed~~. Select type of product you would like to promote in.~~ ~~Promotion time is depending on the size of the file being promoted. Status message will display during checkin process.~~			

End Time:

Signature Page: Procedure 3-1 - TESTCASE 4. Examination of Server Repositories.
Promote SCID Baseline.
Repository Management

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-1 - TESTCASE 5. Examination of Server Repositories. Promote TCID Baseline.
Repository Management **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions -

TCID SAB089A10 must exist in /net/user8/CLCS/Ops_CM/clcs/t_scid_rep and u_apps_rep

TCID SAB089A10 must not exist in /net/user8/CLCS/Ops_CM/clcs/c_apps_rep

Checkout Read only "cmpromote.csh" script from Razor and place it in the directory (/net/user7/sjvo/CM_TOOLS) which you want to execute from.

Step	Description	Expected Results	Comments	TC	QA
1	Log on to ~~Auspex~~Workstation.				
2	Change to the directory where repository management tool resided Type "cd ~~(~~/net/user7/sjvo/CM_TOOLS ~~)~~<Enter>"				
2a	Change the permission Type "chmod 755 cmpromote.csh" <Enter>				
3	Run "./cmpromote.csh" script. Type "./cmpromote.csh <Enter>"	After the script is executed the "OPSCM: CLCS PROMOTE UTILITY" menu will appear on the screen. The user will be given 2 options to select from.			
4	To promote "TCID Baseline". Type "2 <Enter>"	The message "CLCS TCID Promote" will appear on the screen.			
5	Choose from a list of TCID names. Type "~~tcid_name~~SAB089A10 <Enter>"	Valid TCID name will appear on the screen. The message "Enter y to confirm TCID promotion or n to start over [y/n]" will be displayed on the screen.			
6	To return to Main Menu. Type "n <Enter>"	Will return to the "OPSCM: CLCS PROMOTE UTILITY" menu.			

7	Repeat steps 4 and 5.	Same results as steps 4 & 5			
8	To checkin TSCID baseline. Type "y <Enter>"	If TCID baseline directory under the repository path, 'c_apps_rep', already exists, the user will not be able to checkin with the same baseline name. Press <Enter> for main menu. The script will perform the following steps: 1) Make tcid_name directory under 'c_apps rep' at the Ops_CM path. 2) Copy data from 'u_apps_rep' to 'c_apps_rep' at Ops_CM path. The message 'Do you want to remove TCID 'tcid_name' in u_apps_rep directory?' 'Enter y to confirm TCID 'SAB089A10' remove or n to return to the Main Menu [y/n]' will appear on the screen.			
9	Press <Enter>, then repeat steps 4, 5 and 7. At step 5, choose tcid_name.	If TCID baseline does not exist the script will perform the following steps: 3) Make tcid_name directory under 'c_apps rep' at the Ops_CM path. 4) Copy data from 'u_apps_rep' to 'c_apps_rep' at Ops_CM path. The message 'Do you want to remove TCID 'tcid_name' in u_apps_rep directory?' 'Enter y to confirm TCID 'tcid_name' remove or n to return to the Main Menu [y/n]' will appear on the screen.			
10	To return to the Main Menu without remove the TCID baseline in 'u_apps_rep'	Will return to the menu "OPSCM: CLCS PROMOTE UTILITY".			

	directory. Type "n <Enter>"				
10a	Repeat steps 4, 5, & 8	Same results as steps 4, 5, & 8			
11	To remove the TCID baseline in 'u_apps_rep' directory. Type "y <Enter>"	Remove the TCID baseline in 'u_apps_rep' directory.			
	Press <Enter> for Main Menu~~.~~ then type "q"	"OPSCM: CLCS PROMOTE UTILITY" menu will be displayed~~. Select type of product you would like to promote.~~ ~~Promotion time is depending on the size of the file being promoted. Status message will display during checkin process~~.			

End Time:

Signature Page: Procedure 3-1 - TESTCASE 5. Examination of Server Repositories.
Promote TCID Baseline.
Repository Management

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-1 - TESTCASE 6. Examination of Server Repositories. Deletion of SCID Baselines under 't_scid_rep' path.

Repository Management **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions -

- scid_dev.thor.1.7 must exist in /net/user8/CLCS/Ops_CM/clcs/t_scid_rep
- Checkout Read only 'cmdelete.csh' script from Razor and placed it in the directory (/net/user7/sjvo/CM_TOOLS) which you want to execute from.

Step	Description	Expected Results	Comments	TC	QA
1	Log on to workstation as scidbld.				
2	Determine existing SCID baseline. Type: "ls -l /net/user8/CLCS/Ops_CM/clcs /t_scid_rep <Enter>"	Listing of existing baselines will appear.			
3	Change to the directory where repository management tool resides. Type: "cd /net/user7/sjvo/CM_TOOLS <Enter>"				
4	Change execute permission. Type: "chmod 755 cmdelete.csh <Enter>"				
5	Run "./cmdelete.csh" script. Type: "./cmdelete.csh <Enter>"	After the script is executed the "OPS CM: CLCS DELETE UTILITY" menu will appear on the screen. The user will be give 5 options to select from.			
6	To delete the SCID baseline at 't_scid_rep' path. Type "1 <Enter>"	The message "CLCS Baseline Delete" will appear on the screen. The script will list valid baseline names. The user is prompted to enter a valid baseline name or			

		type ‘m’ to return to main menu.			
7	Enter a valid SCID baseline name. Type: “scid_dev.thor.1.7 <Enter>”	The message “Enter y to confirm deletion of this baseline or n to start over [y/n]” will appear on the screen.			
8	Not delete the SCID baseline. Type: ‘n <Enter>’	The message “The baseline ‘baseline name’ was NOT DELETED!” and “Press Return for main menu” will appear on the screen.			
9	To return to the main menu. Press > ‘<Enter>’	The main menu “OPS CM: CLCS DELETE UTILITY” will appear on the screen.			
10	Repeat steps 6 and 7.	Same results.			
11	To delete the SCID baseline. Type: ‘y <Enter>’	The message “Are you sure you want to delete this baseline ‘baseline name’ ? [y/n]” will appear on the screen.			
12	Not delete the SCID baseline. Type: ‘n <Enter>’	The message “Press Return for main menu” will appear on the screen.			
13	To return to the main menu. Press > ‘<Enter>’	The main menu “OPS CM: CLCS DELETE UTILITY” will appear on the screen.			
14	Repeat steps 6, 7 and 11.	Same results.			
15	To delete the SCID baseline. Type: ‘y <Enter>’	The script will perform: - Removing the SCID baseline under t_scid_rep path. The message “Delete baseline ‘baseline name’ COMPLETED SUCCESSFULLY” and “Press Return for main menu” will appear on the screen.			
16	To return to the main menu. Press > ‘<Enter>’	The main menu “OPS CM: CLCS DELETE UTILITY” will appear on the screen.			

17	To exit the script. Type: 'q <Enter>'				

End Time:

Signature Page: Procedure 3-1 - TESTCASE 6. Examination of Server Repositories. Deletion of SCID Baselines under 't_scid_rep' path. Repository Management

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-1 - TESTCASE 7. Examination of Server Repositories. Deletion of SCID Baselines under 'scid_rep' path.

Repository Management **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions -

- scid_dev.thor.1.7 must exist in /net/user8/CLCS/Ops_CM/clcs/scid_rep

- Checkout Read only 'cmdelete.csh' script from Razor and placed it in the directory (/net/user7/sjvo/CM_TOOLS) which you want to execute from.

Step	Description	Expected Results	Comments	TC	QA
1	Log on to workstation as scidbld.				
2	Determine existing SCID baseline. Type: 'ls -l /net/user8/CLCS/Ops_CM/ clcs/scid_rep <Enter>'	Listing of existing baselines will appear.			
3	Change to the directory where repository management tool resides. Type: 'cd /net/user7/sjvo/CM_TOOLS <Enter>'				
4	Change execute permission. Type: 'chmod 755 cmdelete.csh <Enter>'				
5	Run "./cmdelete.csh" script. Type: './cmdelete.csh <Enter>'	After the script is executed the "OPS CM: CLCS DELETE UTILITY" menu will appear on the screen. The user will be give 5 options to select from.			
6	To delete the SCID baseline at 'scid_rep' path. Type: '2 <Enter>'	The message "CLCS Baseline Delete" will appear on the screen. The script will list valid baseline names. The user is prompted to enter a valid baseline name or type 'm' to return to main menu.			

7	Enter a valid SCID baseline name. Type: 'scid_dev.thor.1.7 <Enter>'	The message "Enter y to confirm deletion of this baseline or n to start over [y/n]" will appear on the screen.			
8	Not delete the SCID baseline. Type: 'n <Enter>'	The message "The baseline 'baseline name' was NOT DELETED!" and "Press Return for main menu" will appear on the screen.			
9	To return to the main menu. Press> '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
10	Repeat steps 6 and 7.	Same results.			
11	To delete the SCID baseline. Type: 'y <Enter>'	The message "Are you sure you want to delete this baseline 'baseline name' ? [y/n]" will appear on the screen.			
12	Not delete the SCID baseline. Type: 'n <Enter>'	The message "Press Return for main menu" will appear on the screen.			
13	To return to the main menu. Press > '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
14	Repeat steps 6, 7 and 11.	Same results.			
15	To delete the SCID baseline name. Type: 'y <Enter>'	The script will perform: - Removing the SCID baseline under scid_rep path. The message "Delete baseline 'baseline name' COMPLETED SUCCESSFULLY" and "Press Return for main menu" will appear on the screen.			
16	To return to the main menu. Press > '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
17	To exit the script. Type: 'q <Enter>'				

End Time:

Signature Page: Procedure 3-1 - TESTCASE 7. Examination of Server Repositories.
Deletion of SCID Baselines under 'scid_rep' path.
Repository Management

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-1 - TESTCASE 8 Examination of Server Repositories. Deletion of TCID Baselines under 'tcid_rep' path.

Repository Management **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions -

- SAB089A10 must exist in /net/user8/CLCS/Ops_CM/clcs/tcid_rep

- Checkout Read only 'cmdelete.csh' script from Razor and placed it in the directory (/net/user7/sjvo/CM_TOOLS) which you want to execute from.

Step	Description	Expected Results	Comments	TC	QA
1	Log on to workstation.				
2	Determine existing SCID baseline. Type: 'ls -l /net/user8/CLCS/Ops_CM/ clcs/tcid_rep <Enter>'	Listing of existing baselines will appear.			
3	Change to the directory where repository management tool resides. Type: 'cd /net/user7/sjvo/CM_TOOLS <Enter>'				
4	Change execute permission. Type: 'chmod 755 cmdelete.csh <Enter>'				
5	Run "./cmdelete.csh" script. Type: './cmdelete.csh <Enter>'	After the script is executed the "OPS CM: CLCS DELETE UTILITY" menu will appear on the screen. The user will be give 5 options to select from.			
6	To delete the TCID baseline at 'tcid_rep' path. Type: '3 <Enter>'	The message "CLCS Baseline Delete" will appear on the screen. The script will list valid baseline names. The user is prompted to enter a valid baseline name or type 'm' to return to main menu.			
7	Enter a valid TCID baseline name. Type: 'SAB089A10 <Enter>'	The message "Enter y to confirm deletion of this baseline or n to start over [y/n]" will			

		appear on the screen.			
8	Not delete the TCID baseline. Type: 'n <Enter>'	The message "The baseline 'baseline name' was NOT DELETED!" and "Press Return for main menu" will appear on the screen.			
9	To return to main menu. Type: '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
10	Repeat steps 6 and 7.	Same results.			
11	To delete the TCID baseline. Type: 'y <Enter>'	The message "Are you sure you want to delete this baseline 'baseline name' ? [y/n]" will appear on the screen.			
12	Not delete the TCID baseline. Type: 'n <Enter>'	The message "Press Return for main menu" will appear on the screen.			
13	To return to the main menu. Press > '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
14	Repeat steps 6,7, and 11.	Same results.			
15	To delete the TCID baseline. Type: 'y <Enter>'	The script will perform: - Removing the TCID baseline under ' tcid_rep' path. The message "Delete baseline 'baseline name' COMPLETED SUCCESSFULLY" and "Press Return for main menu" will appear on the screen.			
16	To return to the main menu. Press > '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
17	To exit the script. Type 'q <Enter>'				

End Time:

Signature Page: Procedure 3-1 - TESTCASE 8. Examination of Server Repositories. Deletion of TCID Baselines under 'tcid_rep' path. Repository Management

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-1 - TESTCASE 9. Examination of Server Repositories. Deletion of SCID Baselines under 'u_apps_rep' path.

Repository Management **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions -

- SAB089A10 must exist in /net/user8/CLCS/Ops_CM/clcs/u_apps_rep

- Checkout Read only 'cmdelete.csh' script from Razor and placed it in the directory (/net/user7/sjvo/CM_TOOLS) which you want to execute from.

Step	Description	Expected Results	Comments	TC	QA
1	Log on to workstation.				
2	Determine existing SCID baseline. Type: 'ls -l /net/user8/CLCS/Ops_CM/clcs/u_apps _rep <Enter>'	Listing of existing baselines will appear.			
3	Change to the directory where repository management tool resides. Type: 'cd /net/user7/sjvo/CM_TOOLS <Enter>'				
4	Change execute permission. Type: 'chmod 755 cmdelete.csh <Enter>'				
5	Run "./cmdelete.csh" script. Type: './cmdelete.csh <Enter>'	After the script is executed the "OPS CM: CLCS DELETE UTILITY" menu will appear on the screen. The user will be give 5 options to select from.			
6	To delete the TCID baseline at 'u_apps_rep' path. Type: '4 <Enter>'	The message "CLCS Baseline Delete" will appear on the screen. The script will list valid baseline names. The user is prompted to enter a valid baseline name or type 'm' to return to main menu.			

7	Enter a valid TCID baseline name. Type: 'SAB089A10 <Enter>'	The message "Enter y to confirm deletion of this baseline or n to start over [y/n]" will appear on the screen.			
8	Not delete the TCID baseline. Type: 'n <Enter>'	The message "The baseline 'baseline name' was NOT DELETED!" and "Press Return for main menu" will appear on the screen.			
9	To return to the main menu. Type: '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
10	Repeat steps 6 and 7.	Same results.			
11	To delete the TCID baseline. Type: 'y <Enter>'	The message "Are you sure you want to delete this baseline 'baseline name' ? [y/n]" will appear on the screen.			
12	Not delete the TCID baseline. Type: 'n <Enter>'	The message "Press Return for main menu" will appear on the screen.			
13	To return to the main menu. Press > '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
14	Repeat steps 6, 7 and 11.	Same results.			
15	To delete the TCID baseline. Type" 'y <Enter>'	The script will perform: - Removing the TCID baseline under 'u_apps_rep' path. The message "Delete baseline 'baseline name' COMPLETED SUCCESSFULLY" and "Press Return for main menu" will appear on the screen.			
16	To return to the main menu. Press > '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
17	To exit the script. Type: 'q <Enter>'				

End Time:

Signature Page: Procedure 3-1 - TESTCASE 9. Examination of Server Repositories. Deletion of SCID Baselines under 'u_apps_rep' path. Repository Management

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Quality Assurance **Date**

_____ _____

Test Conductor **Date**

Comments:

Procedure 3-1 - TESTCASE 10. Examination of Server Repositories. Deletion of SCID Baselines under 'c_apps_rep' path.

Repository Management **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions -

- SAB089A10 must exist in /net/user8/CLCS/Ops_CM/clcs/c_apps_rep

- Checkout Read only 'cmdelete.csh' script from Razor and placed it in the directory (/net/user7/sjvo/CM_TOOLS) which you want to execute from.

Step	Description	Expected Results	Comments	TC	QA
1	Log on to workstation.				
2	Determine existing SCID baseline. Type: 'ls -l /net/user8/CLCS/Ops_CM/ clcs/c_apps _rep <Enter>'	Listing of existing baselines will appear.			
3	Change to the directory where repository management tool resides. Type: 'cd /net/user7/sjvo/CM_TOOLS <Enter>'				
4	Change execute permission. Type: 'chmod 755 cmdelete.csh <Enter>'				
5	Run "./cmdelete.csh" script. Type: './cmdelete.csh <Enter>'	After the script is executed the "OPS CM: CLCS DELETE UTILITY" menu will appear on the screen. The user will be give 5 options to select from.			
6	To delete the TCID baseline at 'c_apps_rep' path. Type: '5 <Enter>'	The message "CLCS Baseline Delete" will appear on the screen. The script will list valid baseline names. The user is prompted to enter a valid baseline name or type 'm' to return to main menu.			

7	Enter a valid TCID baseline name. Type: 'SAB089A10 <Enter>'	The message "Enter y to confirm deletion of this baseline or n to start over [y/n]" will appear on the screen.			
8	Not delete the TCID baseline. Type: 'n <Enter>'	The message "The baseline 'baseline name' was NOT DELETED!" and "Press Return for main menu" will appear.			
9	To return to the main menu. Type> '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
10	Repeat step 6 and 7.	Same results.			
11	To delete the TCID baseline. Type: 'y <Enter>'	The message "Are you sure you want to delete this baseline 'baseline name' ? [y/n]" will appear on the screen.			
12	Not delete the TCID baseline. Type: 'n <Enter>'	The message "Press Return for main menu" will appear on the screen.			
13	To return to the main menu. Press > '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
14	Repeat steps 6, 7 and 11.	Same results.			
15	To delete the TCID baseline. Type: 'y <Enter>'	The script will perform: - Removing the TCID baseline under 'c_apps_rep' path. The message "Delete baseline 'baseline name' COMPLETED SUCCESSFULLY" and "Press Return for main menu" will appear on the screen.			
16	To return to the main menu. Press > '<Enter>'	The main menu "OPS CM: CLCS DELETE UTILITY" will appear on the screen.			
17	To exit the script. Type: 'q <Enter>'				

End Time:

Signature Page: Procedure 3-1 - TESTCASE 10. Examination of Server Repositories.
Deletion of SCID Baselines under 'c_apps_rep' path.
Repository Management

_____ ____
Quality Assurance **Date**

_____ _____
Test Conductor **Date**

Comments:

Procedure 3-2 - TESTCASE 1. Activity Manager Main Window
Activity Manager **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - The following test specifications outline the testing to be done on Activity Manager's main window immediately after Activity Manager is executed. Initial conditions for these tests are as follows: two CCWS workstations, root authority, and activity manager authorized and unauthorized positions.

Step	Description	Expected Results	Comments	TC	QA
1.	Login to MCWS.	Normal login results.			
2.	Enter "mount | grep cm-server<Enter>" on xterm1.	Verify that the following directories are not mounted: scid_rep, t_scid_rep, u_apps_rep, c_apps_rep, and rw_act_def.			
3.	~~L~~ogin to the CM Server as root	Normal login results			
4.	Type "cd /clcs/act_def/thor/activities <Enter>" on CM Server xterm1.	Goes to the activities directory on the CM Server.	.		
5.	Have someone with root authority type "rm Activity0 <Enter>" on CM Server.	Removes Activity0			
6.	Type "exit <Enter>" at the command line.	Terminates the rlogin to CM Server.			
7.	Type "su cma <Enter>" and the password. Bring up Activity Manager on xterm1 on MCWS by typing: "/clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr& <Enter>"	Activity Manager's main window appears. If "NRS Synch Message" message box appears, click the close button.	Issue 378. Act. Mgr. uses mounts to the CM Server to view / store data. If the server exports are not set, Act. Mgr. will not initialize.		
8.	On xterm1, type: "mount | grep cm-server~~CM Server~~ <Enter>".	Verify that the scid_rep, t_scid_rep, c_apps_rep, u_apps_rep, and rw_act_def are mounted.			
9.	Type: "ls –l /rw_act_def/activities <Enter>".	There will be a file in the activities directory named "Activity0" with a current date/time stamp on it.			
10.	Without quitting Activity Manager, bring up xterm2 on MCWS and type:	Activity Manager's main window and a message box saying "Activity Manager is			

	”/clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr& <Enter>”	currentlyalready running on this work station.” appears.			
11.	Click on the ”OK” button on the message box of the 2nd Act. Mgr. screen.	Exit Activity Manager.			
12.	Without logging out of the MCWS, log into a different ccws (CCWS2).	Normal login results.			
12a	In xterm type “su cma” and enter the cma password.				
13.	Bring up Activity Manager on CCWS2 by typing ”/clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr& <Enter>”	Activity Manager’s main window and a message box that says ”Activity Manager is currentlyalready running.” appears.			
14.	Click on the ”OK” button on the message box on CCWS2.	Exit Activity Manager.			
15.	Go back to MCWS and on Activity Manager select the ”File->Quit” menu.	Exit Activity Manager.			
16.	On xterm1 of MCWS type: ”su cma <Enter>” ”/clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr& <Enter>”.	Activity Manager starts normally.			
17.	Select the ”File->Quit” menu on Activity Manager.	Exit Activity Manager.			
18.	Login to CCWS 2- Open an xterm and type: ”/clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr& <Enter>”.	Activity Manager displays an error message that says clcsusergroup is not authorized to runstart Activity Manager.			
19.	Click on the ”OK” button on the error message box.	Exit Activity Manager.			
20.	Perform Standard Operating Procedure D-1 to examine logging.	Logs successfully written.	Issue D-15 written against D-1		

End Time:

Signature Page: Procedure 3-2 - TESTCASE 1. Activity Manager Main Window
Activity Manager

_____ _____
Quality Assurance **Date**

_____ _____
Test Conductor **Date**

Comments:

Procedure 3-2 - TESTCASE 2. Activity Manager Add Window
Activity Manager **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - The following test specifications outline the testing to be performed on Activity manager's Activity Add window. The Activity Add window consists of three sections and allows the user to add a new activity. Initial conditions for the following tests include multiple predefined activities and multiple verified/unverified SCID and TCID baselines. Log on to the MCWS and "su" to cma (if not already done).

Step	Description	Expected Results	Comments	TC	QA
1.	On xterm1 of MCWS, login and type: "su cma <Enter>"				
2.	Type /clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr& <Enter>" on MCWS.	Activity Manager comes up normally with no error messages.			
3.	On activity manager, select "Edit->Add" menu.	Activity Add screen is displayed.			
4.	Look for the main title.	The main title reads "Activity Add"			
5.	Enter a name into the activity name text field thirty characters or less. CIT entry _____	The activity name typed in by the tester is displayed in the activity name field.			
6.	Click on the arrow button beside the activity type text field and then point to one of the activity types other than "OPS" with the cursor and click the left mouse button. CIT entry _____	The selected activity type is highlighted.			
7.	Click the "OK" button on the activity type list box.	The activity type list box disappears and the highlighted activity type is displayed in the activity type field.			
8.	Click the "OK" button on the activity type list box.	The activity type list box disappears and the highlighted activity type is displayed in			

		the activity type field.			
9.	Toggle the button to ”Yes” in the box labeled ” Verified SCID?” ~~if necessary~~ then click on the arrow button beside the SCID baseline text field.	A list of verified SCID baselines with ”scid_rep” in the path name is displayed in a scrolled pop-up list. If no verified SCIDs are on the CM Server, the screen will be blank			
10.	Point the cursor at one of the entries in the verified SCID baseline list and click the left mouse button.	The entry in the verified SCID baseline list is highlighted. Note baseline selected.			
11.	Click on the ”OK” button on the verified SCID baseline list box.	The verified SCID baseline list box disappears and the highlighted entry is displayed in the SCID baseline field.			
12.	Click on the ”No” radio button in the ”SCID Verified?” radio box. If a message box appears asking confirmation to use an unverified baseline, click on the ”OK” button and ~~it~~ will disappear.	The radio buttons toggles from ”Yes” to ”No”.			
13.	Click on the arrow button beside the SCID baseline text field.	A list of unverified SCID baselines with ”t_scid_rep” in the path name is displayed in a scrolled pop-up list.			
14.	Point the cursor at any entry in the unverified SCID baseline list and click the left mouse button. CIT entry ———————————	The entry in the unverified SCID baseline list is highlighted.			
15.	Click on the ”OK” button on the unverified SCID baseline list box.	The unverified SCID baseline list box disappears and the highlighted entry is displayed in the SCID baseline field.			
16.	Toggle the button to ”Yes” in the box labeled ” Verified TCID?” ~~if necessary~~ then click on the arrow button beside the TCID baseline text field.	A list of verified TCID baselines with ”c_apps_rep” in the path name is displayed in a scrolled pop-up list.			

17.	Point the cursor at any entry in the verified TCID baseline list and click the left mouse button. CIT entry_____	The entry in the verified TCID baseline list is highlighted.			
18.	Click on the ”OK” button on the verified TCID baseline list box.	The verified TCID baseline list box disappears and the highlighted entry is displayed in the TCID baseline field.			
19.	Click on the ”No” radio button in the ”TCID Verified?” radio box. If a message box appears asking confirmation to use an uncertified baseline, click on the ”OK” button and it will disappear.	The radio buttons toggles from ”Yes” to ”No”.			
20.	Click on the arrow button beside the TCID baseline text field.	A list of valid unverified TCID baselines is displayed in a scrolled pop-up list.			
21.	Point the cursor at any entry in the unverified TCID baseline list and click the left mouse button. CIT entry_____	The entry in the unverified TCID baseline list is highlighted.			
22.	Click on the ”OK” button on the unverified TCID baseline list box.	The unverified TCID baseline list box disappears and the highlighted entry is displayed in the TCID baseline field.			
23.	Point to the flight text field and press the left mouse button.	A blinking cursor appears flush left in the flight text field.			
24.	Type a valid flight ID into the flight ID text field. CIT entry_____	The flight ID text field displays the flight ID typed in by the tester.			
25.	Click on the arrow button beside the tail ID text field.	A list of valid tail ID’s is displayed in a scrolled pop-up list.			
26.	Point the cursor at any entry in the tail ID list and click the left mouse button.	The entry in the tail ID list is highlighted.			

	CIT entry_____				
27.	Click the ”OK” button on the tail ID list box.	The tail ID list box disappears and the highlighted entry in the list is displayed in the tail ID field.			
28.	Click on the arrow button beside the Activity Type.	The Activity Type list box is displayed.			
29.	Point the cursor at the “OPS” entry and click the left mouse button. CIT entry _____	The “OPS” activity type is highlighted.			
30.	Click on the “OK” button on the Activity Type list.	The Activity Type list box disappears.			
31.	Repeat steps 9 – 227 - 26.	Repeat for an “OPS” activity type.			
32.	Click on the arrow button beside the end location text field.	A list of valid end locations is displayed on the monitor in a scrolled pop-up list.			
33.	Point the cursor at any entry in the end location list and click the left mouse button. CIT Entry _____	The entry in the end location list is highlighted.			
34.	Click the ”OK” button on the end location list box.	The end location list box disappears and the highlighted entry in the list is displayed in the end location field.			
35.	Jot down the values of all the fields in Activity Manager. Click the ”Save” button with the mouse.	All of the text fields in the top and middle frames and the gateway record window are cleared., and a new activity file is created in /rw_act_def/activities.			
36.	Go to main Activity Manager window and look for the activity with the same name and type as the one created in step 354. _____ CIT entry	Verifies that the new activity was saved. _ Activity name is listed on Activity Management screen.			

37.	In the “Activity Add” window~~C~~ click on the arrow button beside the Activity Type field then highlight one of the entries in the pop-up list. After that click on the “Ok” button.	The activity type field is repopulated.			
38.	Click on the activity type arrow button again, then click on the ”Cancel” button on the Activity Type pop-up list.	The activity type text field is cleared.			
39.	Click on the arrow button beside the tail ID field, then highlight one of the entries in the pop-up list. After that click on the ”OK” button.	The tail ID text field is repopulated.			
40.	Click on the tail ID arrow button again, then click on the ”Cancel” button on the tail ID pop-up list.	The tail ID text field is cleared.			
41.	Click on the arrow button beside the end loc field, then highlight one of the entries in the pop-up list. After that click on the ”OK” button.	The end loc text field is repopulated.			
42.	Click on the end loc arrow button again, then click on the ”Cancel” button on the end-loc pop-up list.	The end loc text field is cleared.			
43.	Click on the arrow button beside the SCID baseline field, then highlight one of the entries in the pop-up list. After that click on the ”OK” button.	The SCID baseline text field is repopulated.			
44.	Click on the SCID baseline arrow button again, then click on the ”Cancel” button on the SCID baseline pop-up list.	The SCID text field is cleared.			
45.	Click on the arrow button beside the TCID baseline field, then highlight one of the entries in the pop-up list. After that	The TCID baseline field is repopulated.			

	click on the ”OK” button.				
46	Click on the TCID baseline arrow button again, then click on the ”Cancel” button on the TCID baseline pop-up list.	The TCID baseline text field is cleared.			
46a	Enter a name into the “Activity Name” text field thirty characters or less.	The activity name that was typed in by the tester is displayed in the Activity Name field.			
46b	Click on the arrow button beside the activity type text field and then point to one of the activity types with the cursor and click the left mouse button. After that, click on the “OK” button.	The activity type field is repopulated.			
46c	Click on the arrow button beside the SCID baseline field and then point to one of the SCID baselines with the cursor and click the left mouse button. After that, click on the “OK” button.	The SCID baseline field is repopulated.			
47	Type an invalid flight ID less than three characters long into the flight ID text field and click on the “Save” button.	An error message is displayed saying the flight ID is not three characters in length.			
47a	Click on the “OK” button in the information box.	The information box disappears.			
48	Type an invalid flight ID more than three characters long into the flight ID text field and click on the “Save” button.	An error message is displayed saying the flight ID is not three characters in length.			
48a	Click on the “OK” button in the information box.	The information box disappears.			
49	Type an invalid flight ID three characters long containing a non-numeric character and click on the “Save” button.	An error message is displayed saying that the flight ID contains non-numeric characters.			

49a	Click on the “OK” button in the information box.	The information box disappears.			
50	Click on the cancel button on the bottom of the add window.	The “Add Activity” dialog window disappears leaving the main window visible.			
51	Perform Standard Operating Procedure D-1 to examine logging.	Logs successfully written.			

End Time:

Signature Page: Procedure 3-2 - TESTCASE 2. Activity Manager Add Window Activity Manager

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Quality Assurance **Date**

_____ _____

Test Conductor **Date**

Comments:

Procedure 3-2 - TESTCASE 3. Activity Manager Modify Window
Activity Manager **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - The following test specifications outline the testing to be performed on Activity Manager's Activity Modify window. The Activity Modify window is identical in appearance and function to the Activity Add window except that the text fields already contain activity information ready to be modified by the user. Initial conditions include multiple pre-defined activities and at least one each of verified/unverified SCID and TCID baselines.

Step	Description	Expected Results	Comments	TC	QA
1.	On xterm1 of MCWS, ~~login and~~ type: "su cma <Enter>"				
2.	If activity manager isn't running, type: "/clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr& <Enter>".	Activity Manager comes up normally.			
3.	Point the cursor to the activity with activity ID of 0 on the main activity list and click the left mouse button.	"Activity0" is highlighted.			
4.	Click on the "Edit ->Modify" menu on the menu bar at the top of the main activity window.	The window entitled "Activity Modify" appears with all fields grayed out except for the "Comments" and "SCID Baseline" fields.			
5.	Point the cursor after the end of the present comment and click the left mouse button.	A blinking cursor appears after the end of the comment.			
6.	Type "This is only a test activity."	"This is only a test activity." is appended to the end of the comment.			
7.	Click on the arrow button beside the SCID field and note the path that is in the SCID field. CIT Entry	A pop up window entitled " SCID Baselines Directories" appears.			
8.	Point the cursor to a baseline other than	A new SCID baseline appears in the SCID			

	the one that was noted in Step 7, click on the left mouse button then click on the “Ok” button. CIT entry _____	baseline field. If there are no baselines in the “SCID Baseline Directories” window, the screen will appear blank.			
9.	~~Note the new values for the ”Comments” and ”SCID” fields, then c~~Click on the ”Save” button at the bottom of the ”Activity Modify” window.	~~The ”Comments” and the ”SCID” fields are cleared and their values are updated in the ”Activity0” file.~~			
10.	Click on the ”Cancel” button right beside the ”Save” button.	The ”Activity Modify” window disappears.			
11.	Highlight ”Activity0” as before in step 3 and then click on the ”Edit ->Modify” menu on the menu bar at the top of the Activity Manager’s main window.	The ”Activity Modify” window reappears with the ”Comments” and ”SCID” fields displaying the values placed in them in steps 6 and 8.			
12.	Click on the ”Cancel” button.	The ”Activity Modify” window disappears.			
13.	Point the cursor to an activity other than ”Activity0” on the main activity list and click the left mouse button. CIT entry	The new activity is highlighted.			
14.	Click on the ”Edit ->Modify” menu on the menu bar at the top of the main activity window.	The window entitled ”Activity Modify” appears with only the ”Target” field and arrow button and ”Edit Groups” push button grayed out. Also, the fields ”Activity Name”, ”Activity Type”, and ”SCID” *must be* displaying valid values. The other fields can either be blank or filled.			
15.	Point the cursor to the ”Activity Name” field and highlight the activity name.	The name in the ”Activity Name” field is highlighted.			
16.	Type a unique activity name in the ”Activity Name” field. CIT entry_____	The ”Activity Name” field displays what the tester just typed in.			

17.	Click on the arrow button beside the ”Activity Type” field.	A pop up window entitled ”Activity Type” appears.			
18.	Point the cursor to an activity type other than the one that appears in the ”Activity Type” field and click on the left mouse button and click on “Ok”. CIT entry ———————————	A new activity type appears in the ”Activity Type” field.			
19.	Point the cursor after the end of the present comment and click the left mouse button.	A blinking cursor appears after the end of the comment.			
20.	Type: ”This is only a test activity. <Enter>”	”This is only a test activity” is appended to the end of the comment.			
21.	~~Point the cursor to the ”Flight ID” field and select the flight number.~~Deleted	~~The value in the ”Flight ID” field is highlighted.~~			
22.	Type a three-digit number in the ”Flight ID” field, i.e. 099, different from the one originally displayed. CIT entry_____	The new value is displayed in the ”Flight ID” field.			
23.	Click on the arrow button beside the ”Tail ID” field.	A pop up window entitled ”Tail ID” appears.			
24.	Point the cursor to a tail ID other than the one that appears in the ”Tail ID” field and click on the left mouse button. Click on the “Ok” button. CIT entry———————————	A new tail ID appears in the ”Tail ID” field.			
25.	Repeat steps 23~~1~~ - 24 for the following fields: ”End Loc”, ”SCID”, and “TCID”. CIT Entry End Loc_____ SCID_____	New values are displayed in each of these fields.			

	TCID_____				
26.	Note the new values in the ”Activity Modify” window text fields ~~and the gateway record window,~~ then click on the ”Save” button.	~~The modified activity is written to the appropriate activity file and the ”Activity Modify” window text fields and gateway record window are cleared.~~			
27.	Click on the ”Cancel” button.	The ”Activity Modify” window disappears.			
28.	Select the newly modified activity and click on the ”Edit->Modify” item on the menu bar at the top of the main window of Activity Manager.	The ”Activity Modify” window appears displaying the new values in the text fields ~~and gateway record window~~ noted in step 26.			
29.	Click on the ”Cancel” at the bottom of the ”Activity Modify” window.	The ”Activity Modify” window disappears.			
30.	Perform Standard Operating Procedure D-1 to examine logging.	Logs successfully written.			

End Time:

Signature Page: Procedure 3-2 - TESTCASE 3. Activity Manager Modify Window Activity Manager

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Quality Assurance **Date**

_____ _____

Test Conductor **Date**

Comments:

Procedure 3-2 - TESTCASE 4. Activity Delete
Activity Manager **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - The following test specifications outline the testing to be performed on Activity Manager's Activity Delete. Activity Delete allows the user to delete an activity and its respective activity file. Initial conditions for the following tests include multiple pre-defined activities, and one CCWS workstation, and one deactivated activity.

Step	Description	Expected Results	Comments	TC	QA
1.	If not logged into MCWS On xterm1 of MCWS, login and type: "su cma <Enter>"				
2.	If activity manager isn't running on the MCWS, type: "/clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr& <Enter>".	Activity Manager comes up normally.			
3.	Point the cursor to an activity that is active and click on the left mouse button.	The activity is highlighted.			
4.	Click on the "Edit->Delete" menu on the menu bar at the top of the main window of Activity Manager then click on "Ok".	An error message appears saying "Unable to delete an active activity." When "Ok" is clicked, the message box disappears.			
5.	Point the cursor to an activity that isn't active and click on the left mouse button. If none are deactivated, press the deactivate button. CIT Entry	The activity is highlighted.			
6.	Click on the "Edit->Delete" menu on the menu bar at the top of the main window of Activity Manager.	A message box appears asking the user "Delete the selected activity?"			
7.	Click on the "Cancel" button.	The message box disappears and the activity is still listed in Activity Manager's main window.			

8.	Repeat steps 5 and 6, and click on the ”Confirm” button.	The message box disappears and the activity is deleted.			
9.	Type: ”ls /rw_act_def/activities <Enter>”.	The activity file of the activity just deleted is not be listed.			

End Time:

Signature Page: Procedure 3-2 - TESTCASE 4. Activity Delete
Activity Manager

_____ _____
Quality Assurance **Date**

_____ _____
Test Conductor **Date**

Comments:

Procedure 3-2 - TESTCASE 5. Activate and Deactivate
Activity Manager **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - The following test specifications outline the testing to be performed on Activity Manager's Activate and Deactivate. Activate allows the user to put an activity into an active status and Deactivate allows the user to take an activity out of an active status. Initial conditions for the following tests include multiple predefined activities, two CCWS workstations, one of them loaded and initialized to the activity to be deactivated in step 3.

NOTE: Failure of the NRS commands used in this test case does not indicate failure of OPSCM code.

Step	Description	Expected Results	Comments	TC	QA
1.	~~On xterm1 of MCWS, login and type:~~ ~~"su cma <Enter>"~~ See Step 1 Proc 3-2 Test case 4				
2.	If activity manager isn't running, then type: "/clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr <Enter>".	Activity Manager comes up normally.			
3.	On CCWS 1, type: "/clcs/boot/sct_cmtools/Exec/ocm_actu_main& <Enter>".	Brings up Activity Usage.			
4.	Note the activity to which CCWS2 is configured and select it on the activity list of the Activity Manager. Click on the "Deactivate" button. CIT Entry_____	A window is displayed showing what CCWSs are configured to the highlighted activity. The Deactivation Confirmation window appears.			
5.	Click the "Cancel" button on the Deactivation Confirmation window.	The Deactivation Confirmation window disappears and the activity shall still be active.			
6.	Repeat step 4 and click on "Confirm" in the Deactivation Confirmation window.	The Deactivation Confirmation window disappears and the activity shall be deactivated.			

7.	Point the cursor to a non-active activity and click the left mouse button. CIT Entry ————————————	The activity is highlighted.			
8.	In an xterm window, type: /clcs/boot/ssv_nrs/Exec/nrs_dmp <Enter>"	An ASCII text file, NRS_ACT, is created in /clcs/rw_temp/scid/ssv_nrs.			
9.	Type: "view /clcs/rw_temp/scid/ssv_nrs/NRS_ACT <Enter>". Quit the editor by typing ":q"	The file NRS_ACT is displayed in view only mode in the vi editor. The id of the activity deactivated does not appears in this file.			
10.	Find an active activity, point to it with the cursor and click on the left mouse button. ~~(Could be the activity the user just activated.)~~	The activity is highlighted.			
11.	Click on the Activate button.	The error message "Cannot activate an ~~already~~ active activity." is displayed.			
11a	Click the "Ok" button	The Information Box Closes			
12.	Point the cursor to an active activity and click the left mouse button. Note the activity selected.	The activity is highlighted.			
13.	Click on the "Deactivate" button at the bottom of the Activity Manager's main window.	The word "Active" disappears from the "Active" column of the activity list.			
14.	In an xterm window, type: /clcs/boot/ssv_nrs/Exec/nrs_dmp <Enter>"..	An ASCII text file, NRS_ACT, is created in /clcs/rw_temp/scid/ssv_nrs.			
15.	Type: "view /clcs/rw_temp/scid/ssv_nrs/NRS_ACT <Enter>". Quit the editor by typing ":q"	The file NRS_ACT is displayed in view only mode in the vi editor. The id of the activity that was just deactivated will not appear in this file.			

16.	Point the cursor to a nonactive activity and click the left mouse button.	The activity is highlighted.			
17.	Click on the ”Deactivate” button at the bottom of the Activity Manager’s main window.	The message ”Cannot deactivate a non-active activity.” appears.			
18.	Click on the “Ok” button	Closes the Information Box window	Issue D-17		
19.	Click on the “Activate” button.	The word “Activate” appears in the “Activate” column of the activity list.	Issue D-17		
20.	In an xterm window, type: “/clcs/boot/ssv_nrs/Exec/nrs_dmp<enter>	An ASCII text file, NRS_ACT, is created in /clcs/rw_temp/scid/ssv_nrs	Issue D-17		
21.	Type: “view /clcs/rw_temp/scid/ssv_nrs/NRS_ACT <enter>” Quit the editor by typing “:q!”	The file NRS_ACT is displayed in view only mode in the vi editor. The id of the activity activated appears in this file	Issue D-17		

End Time:

Signature Page: Procedure 3-2 - TESTCASE 5. Activate and Deactivate Activity Manager

_____ _____

Quality Assurance **Date**

_____ _____

Test Conductor **Date**

Comments:

Procedure 3-2 - TESTCASE 6. Activity Manager		**NRS Synch Date:**	**Location:**	**Start Time:**	
Test Setup/Initial Conditions - The following test specifications outline the testing to be performed on Activity Manager's NRS synchronization. NRS synchronization synchronizes NRS' list of activities with OPSCM 's list of activities. The initial conditions for the following tests are a CCWS workstation, root authority, and multiple predefined activities. NOTE: Failure of the NRS commands used in this test case does not indicate failure of OPSCM code.					
Step	**Description**	**Expected Results**	**Comments**	**TC**	**QA**
1.	See Process 3-2 Test case 4 step 1 On xterm1 of MCWS, login and type: "su cma <Enter>"				
2.	If it is running, ~~Q~~quit Activity Manager by clicking on "File->Quit".	Activity Manager exits.			
3.	In xterm2, type: "/clcs/boot/ssv_nrs/Exec/nrs_dmp <Enter>".	An ASCII text file will be created listing all active activities registered with NRS in the directory /clcs/rw_temp/scid/ssv_nrs.			
4.	Type: "view /clcs/rw_temp/scid/ssv_nrs/NRS_ACT <Enter>".	The file listing all active activities registered with NRS will be displayed in vi in view only mode.			
5.	Note two of the activity ID's, other than Activity0, listed in NRS_ACT and type ":q! <Enter>". Act IDs Selected:_____	The tester will exit the vi editor.			
6.	In an xterm, type "/clcs/boot/ssv_nrs/Exec/nrs_dact_act ##<Enter>" where ## is one of the activity ID's noted in step 5.	~~The activity is still active as far as Activity Manager is concerned, but no longer active as far as NRS is concerned.~~	Repeat steps 3 and 4.		

	## =				
6.a.	Repeat steps 3 & 4 ad then type in ":q!"	The activity is no longer listed in the NRS ACTIVITY TABLE. The activity is still active as far as Activity Manager is concerned, but no longer active as far as NRS is concerned.			
7.	This step requires root authority. Login to the CM Server then type: "cd /clcs/act_def/thor/activities <Enter>" "ls –la" "rm Activity## <Enter>" "touch Activity## <Enter>" where ## is the other activity ID noted in step 5. "exit" ## =_____	The activity file will first be deleted then recreated with a size of zero.	.		
8.	Bring up Activity Manager in xterm by typing "/clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr& <Enter>".	The NRS synchronization window comes up advising that the tester checks the file size of the activity from step 7 and that synchronization of activities was unsuccessful. ~~There will also be a message that the contents of the activity from step 6 are out of synch with NRS.~~			
8a	Click on the Close Button	NRS Sync Message Box closes			
9.	~~In xterm q~~Quit activity manager.	Activity Manager exits.			
10.	As root RL~~L~~ogin to the CM Server then type "cd /clcs/act_def/thor/activities <Enter>".	~~Rlogin to the CM Server then go to the activities directory.~~			
11.	Have someone with root authority t~~T~~ype	The activity file with size zero is removed			

	”rm Activity## <Enter>” “ls –al” <enter> “exit” where ## is the id of the activity from step 76. ## =	from the activities directory.			
12.	~~Type:~~ ~~“su cma<Enter>”~~ Bring up activity manager as in step 8	The NRS synchronization window is displayed saying that the activity file from step 7~~6~~ was out of synch with NRS but that all activities have now been successfully synchronized.			
12a	Click on the close button	NRS Synch Message box closes			

End Time:

Signature Page: Procedure 3-2 - TESTCASE 6. NRS Synch Activity Manager

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Quality Assurance **Date**

_____ _____

Test Conductor **Date**

Comments:

Procedure 3-2 - TESTCASE 7. Activity Manager Quit
Activity Manager **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - The following test specifications outline the testing to be performed on Activity Manager's exiting procedures. When the user clicks on the "File->Quit" menu activity manager attempts to unmount the mount points established in the startup_init subroutine. If the umount function returns error codes of "directory doesn't exist" or "directory not in mount table" then Activity Manager goes ahead and exits. Any other error codes results in an error message being displayed. If the umount call is successful then the mounts are removed and Activity Manager exits. The initial conditions for the following tests are a CCWS workstation.

Step	Description	Expected Results	Comments	TC	QA
1.	On xterm1 of MCWS, login and type: "su cma <Enter>"				
1a.	If activity manager isn't running, then type: "/clcs/boot/sct_cmtools/Exec/ocm_actm_actmgr <Enter>".	Activity Manager comes up normally.			
2.	Type: "mount | grep nfs <Enter>".	The mount points for scid_rep, t_scid_rep, u_apps_rep, c_apps_rep, and rw_act_def ~~is~~ listed.			
3.	Open another xterm and type "cd /clcs/scid_rep/ <Enter>"	Makes the working directory one of Activity Manager's mount points.			
4.	Switch back to the Activity Manager and click on the "File->Quit" menu.	The second xterm disappears and Activity Manager exits normally.			
5.	Repeat step 3.	Directory does not exist.			
6.	Type: "df | grep nfs <Enter>".	The mount points for scid_rep, t_scid_rep, u_apps_rep, c_apps_rep, and rw_act_def are no longer be listed.			

End Time:

Signature Page: Procedure 3-2 - TESTCASE 7. Activity Manager Quit
Activity Manager

_____ _____
Quality Assurance **Date**

_____ _____
Test Conductor **Date**

Comments:

Procedure 3-3 - TESTCASE 1. TCID Only for Single CCP/CCWS/DDP with Default and override options
Platform Download **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions – Need a Master Controller Workstation (MCWS), One CCWS's, one CCP, and one DDP. No TCID baselines should exist on the target platforms. There will also need to be two different Activities to download each with its own TCID. In one of the Activities, the u_apps listed will need to be empty. The other~~An~~ active activity ~~with the TCID needs to be available.~~will need a populated u_apps_rep The steps in this procedure will be run 3 times for testcase 1 and 3 more times for testcase 2

Step	Description	Expected Results	Comments	TC	QA
1	Login to the Master Controller Workstation, if not already logged in, open an xterm. Type "su cma <Enter>" and the password.				
2	Open~~From~~ xterm1 and rlogin to the CCP. Check for NRS and the usrc daemon by typing : "ps -Alf | grep nrs <Enter>" "ps -Alf | grep usrc <Enter>"	The NRS agent "./nrs_serv HOST_OFF BOTH" and USRC agent "ocm_usrc_rmted" is running. If NRS is not running then the usrc will not run and another machine needs to be chosen. If the daemon isn't running, start it up by typing in the command: clcs/boot/ sct_cmtools/Exec/ocm_start_usrc.sh	Issues 181, 354 (Origins) Issue 250 (SGI-O2's)		
3	Open~~From~~ xterm2,"su" to cma bring up the MCP GUI by typing: "/clcs/boot/sct_cmtools/Exec/ocm_ remote_conf & <Enter>"	The MCP GUI appears. No platforms will be shown until a type is chosen.			
4	Push the "Activity Select" push button.	The Activity Selection window appears.			
5	Select the activity with the unpopulated u_apps by clicking on it. CIT Entry _____	The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.	Successful completion demonstrates correction of Issue #179		

5a	Rsh into the cm-s~~CM S~~erver. cd to the directory where the tar file is. /clcs/u_apps_rep/ccp/_____ Type: "ls –al <Enter>"	Confirm that the tar.out file has 0 byte size.			
6	Push the "OK" button on the Activity Select window.	The Activity Select GUI will disappear.			
7	Select a platform type of "all" from pull down menu.	The name of the type will appear above the activity and all of the platforms for the test set will appear in the selection window. They will all be selected. When the platforms are displayed they will first show Retrieving Status until the daemons on the particular machine tell them their current states.	The Retrieving Status state lasts from a few seconds to a minute. It may have already passed into the current state.		
8	Push the System Status Viewer button on the MCP main window. SSV may not be available at OPSCM CIT, if not skip steps 8 and 9. SSV change to SCT are not part of OPSCM CIT	The System Status Viewer will come up.	The System Status Viewer is not available for the OPSCM CIT.Issue I-398		
9	Change one of the platforms on the System Configuration Table (SCT) for this test set. Either change one of the hardware names or add a new machine in.	After a slight delay (around 30 seconds) the list of platforms on the Master Controller Panel will update to reflect the change.	The SCT is not available for the OPSCM CIT. Issue I-399		
10	Push the "Unselect All" toggle button.	All of the platforms in the list will be unhighlighted.			
11	Push the "Platform Status" button. After display push "OK" button.	Since all of the platforms are unselected, the GUI will bring up a message window asking the user "Please select a platform".			
12	Push the "Select All" toggle button.	The selected platforms will be highlighted.			

13	Push the ”Status” button.	The Platform Status window will appear, populated with the first platform in the list that is selected.			
14	Push the ”Next” push button on the Platform status window.	The next platform in the list that is selected will repopulate the Platform Status window.			
15	Continue pushing the ”Next” window until all of the platforms have been displayed. -Push “OK” button	A message window will open display ”No platform remaining that has been selected.”			
16	Push ”Download” on the main MCP window.	The Download window will appear.			
17	If “download scid” is in the selected, Push on ”download scid” toggle button	The toggle button will go to the unselected state.			
18	Click on some of the platforms to unselect them. CIT Entry ————————————	The platforms’ names will be unhighlighted.			
19	Push ”Show Selected” toggle button.	All of the unselected platforms will be removed from the screen.			
20	Push ”Clear All” toggle button.	All of the platforms will be unselected and removed from the screen.			
21	Push ”Unselect All” toggle button.	All of the platforms of the type selected from the MCP main window will be displayed unselected. If any of these platforms had been removed from the screen they will reappear.			
22	Push ”Select All” toggle button.	All of the platforms of the type selected from the MCP main window will be displayed selected. If any of these platforms had been removed from the screen they will reappear.			
23	Click on all of the platforms, except the CCP rlogged into in step 2 xterm1, to	The platforms’ names will be unhighlighted.			

	unselect them.				
24	In the xterm1, ~~cd~~ to the directory where the new baseline is about to be downloaded by typing: “cd /clcs/tcid <Enter>” then check to see what is currently there by typing: “ls –la <Enter>” Verify there is no baseline.	If a baseline is there, have a root person remove it			
25	Push the ”Download” button on the Download/Manager Screen.	A confirmation window will appear.			
26	Push the ”Confirm” button on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			
~~**28**~~**27**	In xterm 1 type: “ls -al /clcs/tcid <Enter>” several times during the download	TCID directories will begin to disappear, and then new ones will appear as the old baseline is removed and the new one is installed			
~~**27**~~	~~Wait for the MCP GUI status to change to ”downloaded”~~	~~The GUI will first list the platform as ”Downloading” and then ”Downloaded” if no error occurs.~~	~~A successful download indicates Issue #179 is resolved (CCP / DDP only)~~		
28	Wait for the MCP GUI status to change to ”downloaded”	The GUI will first list the platform as ”Downloading” and then ”Downloaded” if no error occurs.			
29	When the MCP GUI says the platform is ”downloaded”, check in xterm1 for the new baseline by typing: “ ls -l /clcs/tcid <Enter>” to verify a the new baseline exists.	The new TCID baseline is listed. Note the baseline name for future reference. TCID baseline _____			
30a	Push ”Download” on the main MCP	The Download window appears.			

	window.				
30a	If the “scid baseline” button is highlighted, push on ”Download SCID” toggle button.	The download SCID button will be unselected.			
30b	Select platform you are logged into if not already selected	Selected platform is highlighted.			
31	Confirm that the default baseline is selected on Download Manager Screen				
32	Push ”Download” on the Download/Manager Screen. (download the same TCID to the same platform).	A confirmation window will appear.			
33	Push ”Confirm” on the confirmation window.	The Download Manager Screen and confirmation window will close. Then the status will change from “Downloading” to “Download Error”. Message Window will appear.	Issue #181 opened at this step in Thor because daemon died		
33a	Push the OK button	Message Window will close			
34	Then check to make sure baseline did not change by typing: “ls -l /clcs/tcid <Enter>” in an xterm to verify which baseline exists.	The previously downloaded TCID baseline as recorded earlier.			
36	Push ”Download” on the main MCP window.	The Download window appears.			
36	If the “scid baseline” button is highlighted, push on ”Download SCID ” toggle button.	The download SCID button will be unselected.			
37	Push ”Override baseline” toggle button.	Override will be selected~~set on GUI~~.			
37	Select the platform you are logged into if not already selected.	The selected platform is highlighted.			

	CIT Entry				
38	Push ”Download” on the Download/Manager Screen.	A confirmation window will appear.			
39	Push ”Confirm” on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			
40	Wait for the MCP GUI to say the platform is ”Downloaded”.	The GUI will first list the platform as ”Downloading” and then ”Downloaded” if no error occurs.	This validates Issue 179		
41	When the MCP GUI says the platform is ”Downloaded”, check by typing in xterm1: “ ls -l /clcs/tcid <Enter>” to verify which baseline exists.	The new TCID baseline.			
~~**42**~~	~~Repeat steps 1 through 41 on an CCWS and DDP, skipping steps 2, 8, 9, 17-21.~~	~~Will have same results (other than platform specific information) as before.~~			
42	Repeat steps 1 – 41 on an CCWS and DDP, skipping steps 3, 8-15, 17-22 with an activity that has a populated TCID on the CCWS	Will have same results (other than platform specific information) as before.			
43	Perform Standard Operating Procedure D-1 to examine logging.	Logs successfully are written.			

End Time:

Signature Page: Procedure 3-3 - TESTCASE 1. TCID Only for Single CCP/CCWS/DDP with Default and override options Platform Download

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-3 - TESTCASE 2. SCID Only for Single CCWS/CCP/DDP checking both Default and Override options.
Platform Download Date: Location: Start Time:

Test Setup/Initial Conditions - Need A Master Controller Workstation (MCWS), One CCWS, one CCP, and one DDP. One CCWS and the CCP and DDP should already be downloaded. Activity with SCID to be loaded needs to be active.

Step	Description	Expected Results	Comments	TC	QA
~~1~~	~~From xterm1 on the Master Controller Workstation, rlogin to the CCP as "cma".~~ Deleted				
1~~2~~	If the MCP GUI is not already up, bring it up by typing in xterm2: "/clcs/boot/sct_cmtools/Exec/ocm_ remote_conf & <Enter>"	The MCP GUI will appear.			
3	Repeat Procedure 3-3, Testcase 1 for SCID starting at step 2~~3~~, and skipping steps 3, 8-15, 18-22~~.~~	Similar results for the default download / override download of SCIDs on CCP, DDP, and CCWS			
4	rlogin to the cm-server and Type: "cd /clcs/act_def/thor/data <Enter>" "ls -al *.dat <Enter>"	all *.dat files have 660 permissions (displayed as –rw-rw----)			
5	View the scid_rep.dat file (may need special permissions to view it. If not cma, "su" to cma, then type in "view scid_rep.dat". Quit the editor by typing ":q")	Verify that the default permissions for the ~~/Exec and /Static~~ DEFAULT_PERM/Exec: = _____ and DEFAULT_PERM: = ____ are ~~listed.~~ Record the special permissions for the autopilot.perms.t file_____			
6	On the downloaded workstation Type:	Verify the permissions of the autopilot. perms.t file match those recorded in step 5			

	"cd /clcs/scid/sct_opscm/Static <Enter>" "ls –al <Enter>"				
7	Type: "cd ../Exec <Enter>" "ls –al <Enter>"	Verify that all sct_opscm/Exec files are set to the default permissions shown in scid_rep.dat.			
8	Type: "ls -al /usr/local <Enter>"	Verify the "position" and "user_name" files exist			

End Time:

Signature Page: Procedure 3-3 - TESTCASE 2. SCID Only for Single CCWS/CCP/DDP checking both Default and Override options.
Platform Download

_____ _____
Quality Assurance **Date**

_____ _____
Test Conductor **Date**

Comments:

Procedure 3-3 - TESTCASE 3. Both SCID and TCID on Multiple Platforms with Default option and Override option
Platform Download Date: Location: Start Time:

Test Setup/Initial Conditions - Need: A Master Controller Workstation (MCWS), one CCWS, one CCP and one DDP. No SCID or TCID baselines should exist on the target platforms. Activity with SCID and TCID to be loaded needs to be active**.**

Step	Description	Expected Results	Comments	TC	QA
1	From xterm1 on the Master Controller Workstation, rlogin to the CCP as "cma" then type "set prompt="%m:%/:·" To perform this type "rlogin ideccp1 –l cma".	Successfully login to the CCP.			
2	Repeat step 1 with one DDP, MCWS, and CCWS on xterms 2 through 4~~3~~.	Successfully login to the DDP, MCWS and CCWS.			
3	Using xterm3~~4~~ , bring up the MCP GUI by typing: "/clcs/boot/sct_cmtools/Exec/ocm_ remote_conf & <Enter>"	The MCP GUI will appear.	Issue I-407		
4	Push the Activity Select push button.	The Activity Selection window will appear.			
5	Select an activity by clicking on it. CIT Entry _____	The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.			
6	Push the OK button on the Activity Select window.	The Activity Select GUI will disappear.			
7	Select a platform type of "all" from pulldown menu.	The name of the type will appear above the activity and all of the platforms of that type for this test set will appear in the selection window. They will all be selected.			

8	Push Download on the main MCP window.	The Download window appears.			
9	Click on all of the platforms except for the ones that are being tested to unselect them.	The platforms' names will be unhighlighted.			
10	On xterms1 through ~~5~~4, check to make sure no baseline exists by typing: "cd /clcs/tcid <Enter>" "ls <Enter>" "cd /clcs/scid <Enter>" "ls <Enter>"	No baselines appear on the GUI.			
11	Push Download on the Download/Manager Screen.	A confirmation window will appear.			
12	Push "Confirm" on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			
12a	Repeat steps 1-2	Same results.			
13	Wait for the MCP GUI to say the platform is downloaded.	The GUI will first list the platform as downloading and then downloaded if no error occurs.			
14	When the MCP GUI says the platforms are downloaded, on xterms1 through ~~5~~ 4 check for new baseline by typing: "cd /clcs/tcid <Enter>" "ls <Enter>" "cd /clcs/scid <Enter>" "ls <Enter>"	The new baselines.			
15	Push "Download" on the main MCP window.	The Download window appears.			
16	Push "Download" on the Download/ Manager Screen. (download the	A confirmation window will appear.			

	same SCID and TCID to the same platforms).				
17	Push ”Confirm” on the confirmation window.	The Download Manager Screen and confirmation window will close. MCP The main window will go to downloading and then download error			
17a	After all platforms failed to download, an appropriate message will be displayed. Push the “OK” button on the message box.	Message box will close.			
17b	Repeat steps 1 - 2	Xterms 1through 4 are started once again.			
18	~~Then~~On xterms 1-4, check to make sure baseline did not change by typing in the command~~:~~ “ls -l /clcs/scid <Enter>” to verify which baseline exists.	The previously downloaded SCID and TCID baseline .			
19	Push the ”Download” button on the main MCP window.	The Download window appears.			
20	Push the ”Override” toggle button.	Override will be set on GUI.			
21	Push the ”Download” button on the Download/Manager Screen.	A confirmation window will appear.			
22	Push the ”Confirm” button on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.	Issue I-408		
23	Wait for the MCP GUI to say the platform is ”Downloaded”.	The GUI will first list the platform as ”Downloading” and then ”Downloaded” if no error occurs.			
23a	Repeat steps 1-2	Same results			
24	When the MCP GUI says the platform is ”Downloaded”, check by typing in	The new copy of the previous SCID and TCID baselines.			

	xterm1: “ls -l /clcs/scid <Enter>” to verify which baseline exists.				
25	Perform Standard Operating Procedure D-1 to examine logging.	Logs successfully written			

End Time:

Signature Page: Procedure 3-3 - TESTCASE 3. Both SCID and TCID on Multiple Platforms with Default option and Override option Platform Download

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

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Procedure 3-3 - TESTCASE 4. Download and Initialization for Both SCID and TCID on Multiple Platforms
Platform Download **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions – Need: one CCWS, one CCP and one DDP and one Master Controller Workstation (MCWS). No previous SCID or TCID exists on the target platforms. USRC daemon needs to be reset (Note: Because daemon will thinks baseline exists. Active activity with SCID and TCID baseline.

Step	Description	Expected Results	Comments	TC	QA
1	On xterm rlogin to the CCP as "cma". To perform this type in "rlogin ide1ccp1 –l cma". Then set the prompt by typing in "set prompt = "%m:%/::"	Successfully login to the CCP.			
2	Repeat step 1 with one DDP ~~and another~~ CCWS, + MCCWS on xterms2~~3~~ through 4.	Successfully login to the DDP and CCWS.			
3	Using xterm4~~5~~ , bring up the MCP GUI by typing: "/clcs/boot/sct_cmtools/Exec/ocm_ remote_conf & <Enter>"	The MCP GUI will appear.			
4	Push the Activity Select push button.	The Activity Selection window will appear.			
5	Select an activity by clicking on it.	The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.			
6	Push the OK button on the Activity Select window.	The Activity Select GUI will disappear.			
7	Select a platform type of "all" from pulldown menu.	The name of the type will appear above the activity and all of the platforms for the test set will appear in the selection window. They will all be selected.			

8	Push the “Download/Init” button on the main MCP window.	The Download window appears.			
9	Click on all of the platforms except for the ones that are being tested to unselect them.	The platforms’ names will be unhighlighted.			
10	On xterms1 through 4 check to make sure no baseline exists by typing: “cd /clcs/tcid<Enter>” “ls <Enter>” “cd /clcs/scid <Enter>” “ls <Enter>”	No baselines appear on the GUI.			
11	Push Download/Initialize on the Download/ Manager Screen.	A confirmation window will appear.			
12	Push “Confirm” on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			
13	Wait for the MCP GUI to say the platform is ”Initialized”.	The GUI will first list the platform as ”Initializing~~Downloading~~” and then ”Initialized” if no error occurs.			
13a	Rept step 1&2ea	Same results			
14	When the MCP GUI says the platforms are ”Initialized” on xterms1 through 4, check for processes that are running on that particular machine after initialization by typing in the command: ”ps -Alf <Enter>”	~~The process names are displayed. (Note that no processes will be running on the target platform until a user logs in).~~ Expected Results All platfoms es-man, logger, lds_remote MCCWS,CCWS: dnav Ccp: ddp_server Ddp ddp_server	A list of processes for each subsystem will be provided. Some of these processes have not completed CIT and may not be started or available. Visual inspection of the start-up script and console window will show that OPSCM attempted to start them.		

			The second time this step is performed, verify that no duplicate processes from the list are running (Issue 248)		
14b	Login to the CCWS & open an xterm	An xterm appears			
15	Type (in a position window on the CCWS) "env | grep TCID_BASELINE <Enter>" CIT Entry	Note ~~Verify~~ that the TCID_BASELINE contains the ~~correct~~ TCID name			
15a	Type: ls –l /clcs/tcid	A list of files & directories with the TCID name is listed. Verify that TCID_BASELINE contains the correct TCID name.			
~~**16**~~	~~Type:~~ ~~"env | grep RTIHOME <Enter>"~~ ~~"echo $PATH <Enter>"~~ ~~"env | grep STETHOSCOPE <Enter>"~~ ~~"env | grep OS_ARCH <Enter>"~~	~~Value: /usr/local/rti/apps includes the path segment for $STETHOSCOPEHOME/bin/$OS_ARCH (i.e. /usr/local/rti/apps/scope and mipsIRIX6.3)~~			
~~**17**~~	~~Repeat Steps 1-14 for a CCWS and DDP~~.	~~Results are the same as before. Note step 14 results to close Issue 248~~	Issue 248		

End Time:

Signature Page: Procedure 3-3 - TESTCASE 4. Download and Initialization for Both SCID and TCID on Multiple Platforms Platform Download

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Quality Assurance **Date**

_____ _____

Test Conductor **Date**

Comments:

Procedure 3-4 – TESTCASE 1. Download TCID Only for Single GW
Gateway Download **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions – Need: One Master Controller Workstation (MCSW), one CM Server, and one GW, active activity for TCID, valid TCID for gateway.

Step	Description	Expected Results	Comments	TC	QA
1	Login to a CCWS and open an xterm1. Type > ***login*** <Enter> Type> ***cma*** <Enter> Type in the password				
2	Set environment Type> ***setenv DISPLAY :0***				
3	Bring up the MCP GUI Type> ***cd /clcs/boot/sct_cmtools/Exec*** <Enter> Type> ***./ocm_remote_conf*** <Enter>	The MCP GUI will appear. No platform will be shown until a type is chosen.			
4	Select a platform type of ”gateway” from pulldown menu.	The name of the type will appear above the activity and all of the platforms of that type will be appear in the selection window.			
5	Open xterm 2 to check the existing baseline: Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>”				

	Noting the dates and times of the existing files				
6	From the MCP GUI: Push “Activity Select” button.	The Activity Selection window will appear.			
7	Select an activity by clicking on it.	The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.			
8	Push the “OK” button on the Activity Select window.	The Activity Selection window will disappear.			
9	Push “Download” on the main MCP window.	The Download/Manager screen will appear.			
10	At the Download/Manager Screen: - Push the “Override” toggle button. Make sure “scid name” is unselected. Make sure “tcid name” is selected. Make sure only one gateway is selected. - Push “Download” button.	A confirmation window will appear.			
11	Push ”Confirm” on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			
12	Wait for the MCP GUI status to change to ”downloaded”	The GUI will first list the platform as ”Downloading” and then ”Downloaded” if no error occurs. “Download Error” displayed if error occurs.			
13	xterm2 will show the gateway rebooting as the new TCID is automatically initialized				
14	When the MCP GUI says the platform are downloaded, on xterm 2 to check for				

	the new baseline: Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd "/sd0:/tcid/tcid_name"*** <Enter> Type > ***ll*** <Enter> Type> ***cd "/sd0:/scid "<Enter>*** Type> ***ll*** <Enter>" Noting the dates and times of the new files	The new copy of the TCID baseline.			
15	To exit the MCP GUI: - Pull down "Files" - Select "quit"				

End Time:

Signature Page: Procedure 3-4 – TESTCASE 1. Download TCID Only for Single GW Gateway Download

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-4 - TESTCASE 2. Download SCID Only for Single GW					
Gateway Download		**Date:**	**Location:**	**Start Time:**	
Test Setup/Initial Conditions: -Need: One Master Controller Workstation (MCSW), one CM Server, and one GW, active activity for SCID, valid SCID for gateway.					
Step	**Description**	**Expected Results**	**Comments**	**TC**	**QA**
1	Login to a CCWS and open an xterm1. Type > ***login*** <Enter> Type> ***cma*** <Enter> Type in the password				
2	Set environment Type> ***setenv DISPLAY :0***				
3	Bring up the MCP GUI Type> ***cd /clcs/boot/sct_cmtools/Exec*** <Enter> Type> ***./ocm_remote_conf*** <Enter>	The MCP GUI will appear. No platform will be shown until a type is chosen.			
4	Select a platform type of ”gateway” from pulldown menu.	The name of the type will appear above the activity and all of the platforms of that type will be appear in the selection window.			
5	Open xterm 2 to check the existing baseline: Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>” Noting the dates and times of the existing				

	files				
6	From the MCP GUI: Push “Activity Select” button.	The Activity Selection window will appear.			
7	Select an activity by clicking on it.	The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.			
8	Push the “OK” button on the Activity Select window.	The Activity Selection window will disappear.			
9	Push “Download” on the main MCP window.				
10	At the Download/Manager Screen: - Push the “Override” toggle button. Make sure “scid name” is selected. Make sure “tcid name” is unselected. Make sure only one gateway is selected. - Push “Download” button.	A confirmation window will appear.			
11	Push ”Confirm” on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			
12	Wait for the MCP GUI status to change to ”downloaded”	The GUI will first list the platform as ”Downloading” and then ”Downloaded” if no error occurs. “Download Error” displayed if error occurs.			
13	xterm2 will show the gateway rebooting as the new SCID is automatically initialized				
14	When the MCP GUI says the platform are downloaded, on xterm 2 to check for the new baseline:				

	Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd "/sd0:/tcid/tcid_name"*** <Enter> Type > ***ll*** <Enter> Type> ***cd "/sd0:/scid "<Enter>*** Type> ***ll*** <Enter>" Noting the dates and times of the new files	The new copy of the SCID baseline.			
15	To exit the MCP GUI: - Pull down "Files" - Select "quit"				

End Time:

Signature Page: Procedure 3-4 – TESTCASE 2. Download SCID Only for Single GW **Gateway Download**

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-4 - TESTCASE 3. Download for Both SCID and TCID on a Single GW **Gateway Download** **Date:** **Location:** **Start Time:**					
Test Setup/Initial Conditions -Need: One Master Controller Workstation (MCSW), one CM Server, and one GW, active activity for SCID and TCID, valid SCID and TCID for gateway.					
Step	**Description**	**Expected Results**	**Comments**	**TC**	**QA**
1	Login to a CCWS and open an xterm1. Type > ***login*** <Enter> Type> ***cma*** <Enter> Type in the password				
2	Set environment Type> ***setenv DISPLAY :0***				
3	Bring up the MCP GUI Type> ***cd /clcs/boot/sct_cmtools/Exec*** <Enter> Type> ***./ocm_remote_conf*** <Enter>	The MCP GUI will appear. No platform will be shown until a type is chosen.			
4	Select a platform type of ”gateway” from pulldown menu.	The name of the type will appear above the activity and all of the platforms of that type will appear in the selection window.			
5	Open xterm 2 to check the existing baseline: Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>” Noting the dates and times of the existing files	The current baseline on that machine is displayed.			

6	From the MCP GUI: Push the “Activity Select” button.	The Activity Selection window will appear.			
7	Select an activity by clicking on it.	The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.			
8	Push the “OK” button on the Activity Select window.	The Activity Selection window will disappear.			
9	Push “Download” on the main MCP window.	The Download/Manager Screen will disappear.			
10	At the Download/Manager Screen: - Push the “Override” toggle button. Make sure “scid name” and “tcid name” are selected. Make sure only one gateway is selected. - Push “Download” button.	A confirmation window will appear.			
11	Push “Confirm” on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			
12	Wait for the MCP GUI to say the platform is downloaded.	The GUI will first list the platform as downloading and then downloaded if no error occurs. “Download Error” message will be displayed if an error occurs			
13	xterm 2 will show the gateway rebooting as the new SCID is automatically initialized				
14	When the MCP GUI says the platform are downloaded, on xterm 2 to check for the new baseline: Type> ***telnet ide1gwgse1*** <Enter>	The new copy of the SCID and TCID baselines.			

	Type in login name and password. Type> ***cd "/sd0:/tcid/tcid_name"*** <Enter> Type > ***ll*** <Enter> Type> ***cd "/sd0:/scid "<Enter>*** Type> ***ll*** <Enter>" Noting the dates and times of the new files				
15	To exit the MCP GUI: - Pull down "Files" - Select "quit"				

End Time:

Signature Page: Procedure 3-4 – TESTCASE 3. Download for Both SCID and TCID on a Single GW
Gateway Download

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

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Procedure 3-4 - TESTCASE 4. Download and Initialization for Both SCID and TCID to single GW
Gateway Download **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions -Need: One Master Controller Workstation (MCWS), one CM Server and one GW. This testcase assumes that Procedure 3-4 TESTCASE 1 steps 1-9 have been completed.

Step	Description	Expected Results	Comments	TC	QA
1	Perform Procedure 3-4 Testcase 1 steps 1-9 if the MCP GUI is not active				
2	Reboot the CM Server and, in xterm1, type: "ps -Alf | grep ocm_usrc_rmtgw_ <Enter>"	If "ocm_usrc_rmtgw" appears in the xterm, the gateway daemon is running			
3	Select a platform type of "gw" from pulldown menu.	The name of the type will appear above the activity and all of the platforms of that type will appear in the selection window.			
4	Push Both on the main MCP window.	The Download window appears.			
5	Push the "Override" toggle button.	Override will be set on GUI.			
6	Push Both on the Download/Manager Screen.	A confirmation window will appear.			
7	Push "Confirm" on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			
8	Wait for the MCP GUI to say the platform is "Initialized".	The GUI will first list the platform as "Downloading" and then "Downloaded" then "Initializing" and then "Initialized" if no error occurs. "Initialize Error" will be displayed if an error occurs.			
9	Perform Standard Operating Procedure D-	Logs are successfully written			

	1 to examine logging.				

End Time:

Signature Page: Procedure 3-4 – TESTCASE 4. Download and Initialization for Both SCID and TCID to single GW
Gateway Download

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

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Procedure 3-4 - TESTCASE 5. Download SCID Only for Multiple GWs					
Gateway Download		**Date:**	**Location:**	**Start Time:**	
Test Setup/Initial Conditions: -Need: One Master Controller Workstation (MCSW), one CM Server, and two GWs, active activity for SCID, valid SCID for gateway.					
Step	**Description**	**Expected Results**	**Comments**	**TC**	**QA**
1	Login to a CCWS and open xterm1: Type > ***login*** <Enter> Type> ***cma*** <Enter> Type in the password				
2	Set environment Type> ***setenv DISPLAY :0*** <Enter>				
3	Bring up the MCP GUI Type> ***cd /clcs/boot/sct_cmtools/Exec*** <Enter> Type> ***./ocm_remote_conf &***<Enter>	The MCP GUI will appear. No platform will be shown until a type is chosen.			
4	Select a platform type of ”gateway” from pulldown menu.	The name of the type will appear above the activity and all of the platforms of that type will be appear in the selection window.			
5	Open xterm 2 to check the existing baseline of ‘gse’ gateway: Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “***<Enter***>*** Type> ***ll*** <Enter>” Noting the dates and times of the existing	The current baselines on that machine are displayed.			

	files.				
6	On xterm 3, check the existing baseline of 'cs' gateway: Type> ***telnet ide1gwcs1*** <Enter> Type in login name and password. Type> ***cd "/sd0:/tcid/tcid_name"*** <Enter> Type> ***ll*** <Enter> Type> ***cd "/sde0:/scid"*** <Enter> Noting the dates and times of the existing files.	The current baselines on that machine are displayed.			
7	From the MCP GUI: Push "Activity Select" button.	The Activity Selection window will appear.			
8	Select an activity by clicking on it.	The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.			
9	Push the "OK" button on the Activity Select window.	The Activity Selection window will disappear.			
10	Push "Download" on the main MCP window.				
11	At the Download/Manager Screen: - Push the "Override" toggle button. Make sure "download scid" is selected. Make sure "download tcid".is unselected. Make sure gateways are highlighted. - Push "Download" button.	A confirmation window will appear.			
12	Push "Confirm" on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			

13	Wait for the MCP GUI platform change to ”Downloaded”	The GUI will first list the platform as ”Downloading” and then ”Downloaded” if no error occurs. “Download Error” displayed if error occurs.			
14	xterm2 and xterm 3 will show the gateways rebooting as the new SCID is automatically initialized				
15	When the MCP GUI says the platform are downloaded. On xterm 2, check for the new baseline: Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>” Noting the dates and times of the new files	The new copy of the SCID baseline.			
16	When the MCP GUI says the platform are downloaded, on xterm 3 to check for the new baseline: Type> ***telnet ide1gwcs1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>” Noting the dates and times of the new files	The new copy of the SCID baseline.			
17	To exit the MCP GUI: - Pull down “Files” - Select “quit”				

End Time:

Signature Page: Procedure 3-4 – TESTCASE 5. Download SCID Only for Mutiple GWs
Gateway Download

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-4- TESTCASE 6. Download TCID Only for Multiple GWs

Gateway Download **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions: -Need: One Master Controller Workstation (MCSW), one CM Server, and two GWs, active activity for TCID, valid TCID for gateway.

Step	Description	Expected Results	Comments	TC	QA
1	Login to a CCWS and open an xterm1. Type > ***login*** <Enter> Type> ***cma*** <Enter> Type in the password				
2	Set environment Type> ***setenv DISPLAY :0***				
3	Bring up the MCP GUI Type> ***cd /clcs/boot/sct_cmtools/Exec*** <Enter> Type> ***./ocm_remote_conf &***<Enter>	The MCP GUI will appear. No platform will be shown until a type is chosen.			
4	Select a platform type of ”gateway” from pulldown menu.	The name of the type will appear above the activity and all of the platforms of that type will be appear in the selection window.			
5	Open xterm 2 to check the existing baseline: Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>” Noting the dates and times of the existing files	The current baselines on that machine are displayed.			

6	Open xterm 3 to check the existing baseline: Type> ***telnet ide1gwcs1*** <Enter> Type in login name and password. Type> ***cd "/sd0:/tcid/tcid_name"*** <Enter> Type > ***ll*** <Enter> Type> ***cd "/sd0:/scid "<Enter>*** Type> ***ll*** <Enter>" Noting the dates and times of the existing files	The current baselines on that machine are displayed.			
7	From the MCP GUI: Push "Activity Select" button.	The Activity Selection window will appear.			
8	Select an activity by clicking on it.	The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.			
9	Push the "OK" button on the Activity Select window.	The Activity Selection window will disappear.			
10	Push "Download" on the main MCP window.				
11	At the Download/Manager Screen: - Push the "Override" toggle button. Make sure "download scid" is unselected. Make sure "download tcid" is selected. Make sure 'gse' and 'cs' gateways are highlighted. - Push "Download" button.	A confirmation window will appear.			
12	Push "Confirm" on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			
13	Wait for the MCP GUI status to change to	The GUI will first list the platform as			

	”downloaded”	”Downloading” and then ”Downloaded” if no error occurs. “Download Error” displayed if error occurs.			
14	xterm2 and xterm3 will show the gateway rebooting as the new TCID is automatically initialized				
15	When the MCP GUI says the platform are downloaded, on xterm 2 to check for the new baseline: Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>” Noting the dates and times of the new files	The new copy of the TCID baseline.			
16	When the MCP GUI says the platform are downloaded, on xterm 2 to check for the new baseline: Type> ***telnet ide1gwcs1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>” Noting the dates and times of the new files	The new copy of the TCID baseline.			
17	To exit the MCP GUI: - Pull down “File” - Select “quit”				

End Time:

Signature Page: Procedure 3-4 – TESTCASE 6. Download TCID Only for Multiple GWs
Gateway Download

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-4 - TESTCASE 7. Download for Both SCID and TCID on Multiple GWs **Gateway Download** **Date:** **Location:** **Start Time:**					
Test Setup/Initial Conditions -Need: One Master Controller Workstation (MCSW), one CM Server, and two GWs, active activity for SCID and TCID, valid SCID and TCID for gateway.					
Step	**Description**	**Expected Results**	**Comments**	**TC**	**QA**
1	Login to a CCWS and open an xterm1. Type > ***login*** <Enter> Type> ***cma*** <Enter> Type in the password				
2	Set environment Type> ***setenv DISPLAY :0***				
3	Bring up the MCP GUI Type> ***cd /clcs/boot/sct_cmtools/Exec*** <Enter> Type> ***./ocm_remote_conf&*** <Enter>	The MCP GUI will appear. No platform will be shown until a type is chosen.			
4	Select a platform type of ”gateway” from pulldown menu.	The name of the type will appear above the activity and all of the platforms of that type will appear in the selection window.			
5	Open xterm 2 to check the existing baseline of ‘gse’ gateway: Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>” Noting the dates and times of the existing files	The current baselines on that machine are displayed.			

6	Open xterm 3 to check the existing baseline of 'cs' gateway: Type> ***telnet ide1gwcs1*** <Enter> Type in login name and password. Type> ***cd "/sd0:/tcid/tcid_name"*** <Enter> Type > ***ll*** <Enter> Type> ***cd "/sd0:/scid "<Enter>*** Type> ***ll*** <Enter>" Noting the dates and times of the existing files	The current baselines on that machine are displayed.			
7	From the MCP GUI: Push the "Activity Select" button.	The Activity Selection window will appear.			
8	Select an activity by clicking on it.	The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.			
9	Push the "OK" button on the Activity Select window.	The Activity Selection window will disappear.			
10	Push "Download" on the main MCP window.	The Download/Manager Screen will disappear.			
11	At the Download/Manager Screen: - Push the "Override" toggle button. Make sure "download scid" and "download tcid" are selected. Make sure only 'gse' and 'cs' gateways are highlighted. - Push "Download" button.	A confirmation window will appear.			
12	Push "Confirm" on the confirmation window.	The Download Manager Screen and confirmation window will close. Also the main MCP window will start to update the changing status.			

13	Wait for the MCP GUI to say the platform are “Downloaded”.	The GUI will first list the platform as downloading and then downloaded if no error occurs. “Download Error” message will be displayed if an error occurs			
14	xterm 2 and xterm3 will show the gateways rebooting as the new SCID and TCID are automatically initialized				
15	When the MCP GUI says the platform are downloaded. On xterm 2, check for the new baseline: Type> ***telnet ide1gwgse1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>” Noting the dates and times of the new files	The new copy of the SCID and TCID baselines.			
16	When the MCP GUI says the platform are downloaded. On xterm 3, check for the new baseline: Type> ***telnet ide1gwcs1*** <Enter> Type in login name and password. Type> ***cd “/sd0:/tcid/tcid_name”*** <Enter> Type > ***ll*** <Enter> Type> ***cd “/sd0:/scid “<Enter>*** Type> ***ll*** <Enter>” Noting the dates and times of the new files	The new copy of the SCID and TCID baselines.			
17	To exit the MCP GUI: - Pull down “Files” - Select “quit”				

End Time:

Signature Page: Procedure 3-4 – TESTCASE 7. Download for Both SCID and TCID on Multiple GWs
Gateway Download

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-6 - TESTCASE 1. Terminate single CCP/DDP/CCWS **DDP/CCP/CCWS Initialization** **Date:** **Location:** **Start Time:**					
Test Setup/Initial Conditions - For this test you will need a Master Controller Workstation (MCWS), a CCP, a DDP and one CCWS. All three platforms are to be initialized.					
Step	**Description**	**Expected Results**	**Comments**	**TC**	**QA**
1	Login to a Master Controller Workstation, and open 2 xterms.				
2	On xterm1, rlogin to a CCP server. Then check to see if NRS and daemon running by typing: "ps -Alf | grep nrs <Enter>" "ps -Alf | grep usrc <Enter>" "ps -Alf | grep scid <Enter>"	The NRS agent "./nrs_serv HOST_OFF BOTH" and USRC agent "ocm_usrc_rmted" are running. Verify ~~the SCID process is~~that scid processes are running	Issues 181, 354 (Origins) Issue 250 (SGI-O2's)		
3	If not already running,In the xterm2, bring up the MCP GUI by typing: "/clcs/boot/sct_cmtools/Exec/ocm_ remote_conf & <Enter>"	The MCP GUI will appear.			
~~**4**~~	~~Push the "Activity Select" push button.~~	~~The Activity Selection window will appear.~~			
~~**5**~~	~~Select an activity by clicking on it.~~	~~The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.~~			
~~**6**~~	~~Push the "OK" button on the Activity Select window.~~	~~The Activity Select GUI will disappear.~~			
7	Select CCP platform type from pull down menu.	The name of the type will appear above the activity and all of the platforms of that type will appear in the selection window. They will all be selected.			
8	Click on all but the one platform rlogged into to unselect the others.	The platforms' names will be unhighlighted.			
9	Push "Terminate" on the main MCP	The ~~Initialize window appears.~~terminate			

	window.	confirmation window appears			
10	Push ”Confirm” button .	The request will be sent to the respective daemons. Terminate will be initiated and the GUI will update its status when it has completed. Note the status			
11	From the rlogin window of the CCP, type: “ps -Alf | grep scid <Enter>” to verify system services are not running	The system services daemons are not running.			
12	From the rlogin window of ~~Master Controller Workstation~~the CCP, type: “ps -Alf | grep ~~<position>~~clcsuser <Enter>” To verify clcsuser owned processes are not running	The clcsuser owned processes are not running.			
13	Repeat steps ~~1~~ 2 through 12 with the DDP & CCWS.	Will have similar results.			
14	Perform Standard Operating Procedure D-1 to examine logging.	Logs are successfully written			
15	From the Master Controller Workstation, Select the CCWS that were just terminated. Press the Reboot button.	A confirmation window appears for REBOOT			
16	Press the Confirm button on the confirmation screen	CCWS begins reboot. Master control panel screen status changes to Not registered with NRS, then (possibly Not available depending on the timing of the polling process), the returns to the status shown from step 10.			

End Time:

Signature Page: Procedure 3-6 - TESTCASE 1. Terminate single CCP/DDP/CCWS DDP/CCP/CCWS Initialization

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-6 - TESTCASE 2. Initialize Downloaded DDP/CCP/CCWS
DDP/CCP/CCWS Initialization **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - This test will need one CCWS, one CCP, one DDP, and a Master Controller Workstation (MCWS). The CCWS, CCP and DDP have been previously downloaded with SCID and TCID baselines

Step	Description	Expected Results	Comments	TC	QA
1	Login to the Master Controller Workstation, bring up 2 xterms.				
2	On xterm1, rlogin to a CCP server.				
3	Verify NRS and MCP daemon are running on the CCP by typing: "ps -Alf | grep nrs <Enter>" "ps -Alf | grep usrc <Enter>"	The NRS agent "./nrs_serv HOST_OFF BOTH" and USRC agent "ocm_usrc_rmted" are displayed as running in xterm1.	Issues 181, 354 (Origins) Issue 250 (SGI-O2's)		
4	If not already running From an xterm2, bring up the MCP GUI by typing: "/clcs/boot/sct_cmtools/Exec/ocm_remote_conf & <Enter>"	The MCP GUI will appear.			
~~5~~	~~Push the "Activity Select" push button.~~	~~The Activity Selection window will appear.~~			
~~6~~	~~Select an activity by clicking on it.~~	~~The chosen activity will be highlighted.~~			
~~7~~	~~Push the "OK" button on the Activity Select window.~~	~~The Activity Select GUI will disappear.~~			
8	Select a platform type "all" from pull down menu.	A list of all possible platforms for the test set will appear in the platform list. If the MCP daemon is not running on a particular platform, its status will show "Not Available", or if the daemon is running, their current status will be displayed.			
9	Click on all of the platforms except the one you are rlogged into to unselect them.	The platforms' names will be unhighlighted except the CCP.			

10	Push ”Initialize” on the main MCP window.	The confirmation window appears.			
11	Push ”Confirm” button.	Confirmation GUI will be closed and the request will be sent to the respective daemons. ~~The Initialize will be initiated and the GUI will update its status on its regular status update.~~Status changes to Initializing and then Initialized when initialization completes successfully.	If the platform is not available a message will appear in the message area of the main MCP window saying that that particular platform is not available. Else if the platform is not downloaded, a message will appear in the message area stating that the platform is not downloaded.		
12	When GUI shows state as ”Initialized”: From the rlogin window of Master Controller Workstation. Type: “ps –Alf | grep nrs <Enter>”	The NRS agent is running.			
13	From the rlogin window of Master Controller Workstation. Type: “ps -Alf | grep usrc <Enter>” to verify the usrc daemon is running.	The ”ocm_usrc_rmted” daemon is running.	Issues 181, 354 (Origins) Issue 250 (SGI-O2’s)		
14	From the rlogin window of Master Controller Workstation. Type: “ps -Alf | grep scid <Enter>” to verify system services are running	The system services daemons are running.			
15	From the rlogin window of Master Controller Workstation. Type: “ps -Alf | grep ~~<position>~~clcsuser <Enter>” to verify positionally owned processes are not running.	The positionally owned processes are running.			
16	Verify the system message services initialization complete messages were	SMS received messages	Issue I-379		

	sent.		Cannot verify due to absence of sys_msg svces. Issue promoted to formal		
17	From the rlogin window of Master Controller Workstation. Type: "/clcs/boot/sct_cmtools/Exec/ocm_npt_show <Enter>"	The platform parameter table is populated with both user and activity data			
18	Repeat steps ~~1~~ 2 through 17 with a DDP and a CCWS.	Will have same results (other than platform specific information) as before.			
19	Perform Standard Operating Procedure D-1 to examine logging.	Logs are successfully written.			

End Time:

Signature Page: Procedure 3-6 - TESTCASE 2. Initialize Downloaded DDP/CCP/CCWS DDP/CCP/CCWS Initialization

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-6 - TESTCASE 3. Initialize Multiple Downloaded CCP/DDP/CCWS
DDP/CCP/CCWS Initialization **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - For this test you will need a Master Controller Workstation (MCWS), one CCWS, one CCP and one DDP.

Step	Description	Expected Results	Comments	TC	QA
1	Login onto a Master Controller Workstation. From there rlogin on xterm1 into a CCP as “cma”.				
2	Repeat step 1 with a DDP, CCWS and MCWS on xterm 2 to 4.				
3	If the Master Controller Panel is not running From xterm1, bring up the MCP GUI by typing: “/clcs/boot/sct_cmtools/Exec/ocm_ remote_conf & <Enter>”	The MCP GUI will appear.			
4	Push the ”Activity Select” push button.	The Activity Section window will appear.			
5	Select an activity by clicking on it.	The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.			
6	Push the ”OK ”button on the Activity Select window.	The Activity Select GUI will disappear.			
7	Select All platform types from pull down menu.	The name of the type will appear above the activity and all of the platforms of that type will appear in the selection window. They will all be selected.			
8	Click on ”unselect all” and then select the platforms you are rlogged into.	Only the platforms rlogged into will be highlighted.			
9	Push ”Initialize” on the main MCP window.	The confirmation window will appear.			
10	Push ”Confirm” button.	Confirmation GUI will be closed and the			

		request will be sent to the respective daemons. ~~The Initialize will be initiated and the GUI will update its status on its regular status update. If the platform is not available, a message will appear in the message area of the main MCP window saying that that particular platform is not available. Else if the platform is not downloaded, a message will appear in the message area stating that the platform is not downloaded.~~ The status will go to Initializing and then to Initialized.			
10a	Repeat steps 1&2	Same results			
11	When GUI shows state as "Initialized": From the rlogin window of xterms 1 - 4. Type: "ps -Alf | grep nrs <Enter>"	The NRS agent is running.			
12	From the rlogin window of Master Controller Workstation. Type: "ps -Alf | grep usrc <Enter>" to verify the usrc daemon is running.	The "ocm_usrc_rmted" daemon is running.	Issues 181, 354 (Origins) Issue 250 (SGI-O2's)		
13	From the rlogin window of Master Controller Workstation. Type: "ps -Alf | grep scid <Enter>" to verify system services are running	The system services daemons are running.			
14	From the rlogin window of Master Controller Workstation. Type: "ps -Alf | grep ~~<position>~~clcsuser <Enter>" to verify positionally owned processes are running	The positional owned processes are running.			
15	Verify the system message services initialization complete messages were	SMS received messages	RE: Issue I-379		

	sent.		Cannot verify due to absence of SMS		
16	From the rlogin window of Master Controller Workstation. Type: "/clcs/boot/sct_cmtools/Exec/ocm_npt_show <Enter>"	The platform parameter table is populated with both user and activity data			

End Time:

Signature Page: Procedure 3-6 - TESTCASE 3. Initialize Multiple Downloaded CCP/DDP/CCWS DDP/CCP/CCWS Initialization

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-6 - TESTCASE 4. Terminate multiple DDP/CCP/CCWS's

DDP/CCP/CCWS Initialization **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - For this test you will need a Master Controller Workstation (MCWS), one CCP, one DDP and two CCWS's. All target platforms have previously been downloaded and initialized**.**

Step	Description	Expected Results	Comments	TC	QA
1	On xterm1 rlogin to ~~the first~~a CCP server.	~~The NRS and USRC agent "ocm_usrc_rmted" are running.~~	Issues 181, 354 (Origins) Issue 250 (SGI-O2's)		
1a	Type "ps –Alf | grep nrs" "ps –Alf | grep usrc	The NRS and USRC agent "ocm_usrc_rmted" are running.			
2	Repeat steps 1 and 1a with the DDP, CCWSs and the MCWS on xterms 1 through 4.	Result is the same.			
3	If not already running Using xterm4, bring up the MCP GUI by typing: "/clcs/boot/sct_cmtools/ocm_remote_conf & <Enter>"	The MCP GUI will appear.			
~~4~~	~~Push the "Activity Select" push button.~~	~~The Activity Selection window will appear.~~			
~~5~~	~~Select an activity by clicking on it.~~	~~The chosen activity will be highlighted and the name of the Activity will appear on the main MCP window.~~			
~~6~~	~~Push the "OK" button on the Activity Select window.~~	~~The Activity Select GUI will disappear.~~			
7	Select All platform types from pull down menu.	The name of the type will appear above the activity and all of the platforms of that type will appear in the selection window. They will all be selected.			
8	Click on all but the platforms rlogged into to unselect them.	The platforms' names will be unhighlighted.			

9	Push Terminate on the main MCP window.	The confirmation window will appear.			
10	Push "Confirm" button .	The request will be sent to the respective daemons. ~~If the platform is not available a message will appear in the message area of the main MCP window saying that that particular platform is not available. Otherwise~~ the Terminate will be initiated and the GUI will update its status on its regular status update. ~~Also a message box will appear saying "You can not alter your own CCWS."~~	Issue I-412 CCWSID had termination error rather than going to download		
11	Go to the xterms 1 through 4 and type: "ps -Alf ~~<Enter>"~~ |grep scid" " ps –Alf | grep clcsuser"	None of the processes appear. If they did, then review the autopilot logs and xterm for errors.	See list of OPSCM processes Initialized / terminated on each platform. For CCWS – this demonstrates resolution of issue 270 RE: Issue I-409 for ddp rcvr did not terminate.		

End Time:

Successful completion of all Test cases for Initialization/Download/Initialization and Download demonstrates correction of Issue #181, 250, 354.

Signature Page: Procedure 3-6 - TESTCASE 4. Terminate multiple DDP/CCP/CCWS's DDP/CCP/CCWS Initialization

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-7 – TESTCASE 1. Gateway Initialization, Activation and Termination for a single GW
Gateway Initialization **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions –

- Need: One CCWS, one CM Server and one GW. The Gateway is not initially in an operational state. Reset
- Table for TCID SA089R0 must be loaded on GSE gateway under sd0:/tcid/SA089R0
- Valid SCID must loaded under sd0:/scid 1.32

Step	Description	Expected Results	Comments	TC	QA
1	Login to a CCW and open an xterm. At the prompt: Type > login <Enter> Type> cma <Enter>				
2	Set environment Type> setenv DISPLAY :0 <Enter>				
3	Bring up the Master Control Panel (MCP) GUI Type> cd /clcs/boot/sct_cmtools/Exec <Enter> Type> ./ocm_remote_conf & <Enter>	The MCP GUI will appear. No platform will be shown until a type is chosen.			
4	Select a platform type of ”gateway” from pulldown menu.	The name of the type will appear above the activity and all of the platforms of that type will appear in the selection window.			
5	Push “Initialize” on the main MCP Screen.	A confirmation window will appear.			
6	Push “Confirm” on the confirmation window.	The confirmation window will close. Also the main MCP window will start to update the changing status.			
7	Wait for the MCP GUI to say the status is	The GUI will first list the platform as ”Initializing” and then ”Initialized” if no error			

	”Ready”.	occurs. “Initialize Error” will be displayed if an error occurs.			
8	When the MCP GUI says the gateway is ”Initialized” on xterm2 verify that the gateway has transitioned to the “Ready” state by looking for the strings. To find the current state of gateway. Open an xterm2 window: Type> telnet ide1gwgse1<Enter> Type> cgsGetCpuInitMode <Enter>	GSE FEPC in READY mode GCP detected that FEPC transitioned to mode 2. Return value is equal to 2.			
9	Push “Activate” on the main MCP Screen.	A confirmation window will appear.			
10	Push “Confirm” on the confirmation window.	The confirmation window will close. Also the main MCP window will start to update the changing status.			
11	Wait for the MCP GUI to say the platform is ”Operational”.	The GUI will first list the platform as ”Activating” and then ”Operational” if no error occurs. “Activate Error” will appear if an error occurred while trying to activate the gateway			
12	When the MCP GUI says the gateway is ”Operational” on xterm2 to verify that the gateway has transitioned to the Active state by looking for the strings. To find the current state of gateway. At an xterm2 window: Type> cgsGetCpuInitMode <Enter>	GSE FEPC in Active mode GCP detected that FEPC transitioned to mode 3. Return value should be 3.			
13	Push “Initialize” on the main MCP Screen.	A confirmation window will appear.			
14	Push “Confirm” on the confirmation window.	The confirmation window will close. Also the main MCP window will start to update			

		the changing status.			
15	Wait for the MCP GUI to say the platform has an “Initialize Error”	The GUI will first list the platform as ”Initializing” and then “Initialize Error” will be displayed as an error occurs. While the gateway is in the active state, an initialization command will be rejected by the gateway.			
16	Push “Ok” button.				
17	Push “Terminate” on the main MCP Screen.	A confirmation window will appear.			
18	Push “Confirm” on the confirmation window.	The confirmation window will close. Also the main MCP window will start to update the changing status.			
19	Wait for the MCP GUI to say the status is ”Ready”.	The GUI will first list the platform as ”Terminating” and then ”Ready” if no error occurs. “Terminate Error” will be displayed if an error occurred while trying to terminate the gateway.			
20	When the MCP GUI says the gateway is ”Ready” on xterm2 verify that the gateway has transitioned to the Ready state by looking for the strings. To find the current state of gateway. At an xterm2 window: Type> cgsGetCpuInitMode <Enter>	GSE FEPC TERMINATED BY COMMAND GCP detected that FEPC transitioned to mode 2. Return value will be 2.			
21	Push “Terminate” on the main MCP Screen.	A confirmation window will appear.			
22	Push “Confirm” on the confirmation window.	The confirmation window will close. Also the main MCP window will start to update the changing status.			

23	Wait for the MCP GUI to say the platform has a “Terminate Error”.	The GUI will first list the platform as ”Terminating” and then “Terminate Error” will be displayed as an error occurred while trying to terminate the gateway. The gateway may only be terminated (deactivated) when in the active state.			
24	Push “Ok” button.				
25	To exit MCP. Pull down “File” then Select “Quit”				

End Time:

Signature Page: Procedure 3-7 – TESTCASE 1. Gateway Initialization, Activation and Termination for a single GW

Gateway Initialization

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-7 – TESTCASE 2. Gateway Initialization, Activation and Termination for Multiple GWs
Gateway Initialization **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions -Need: One CCWS, one CM Server and two GWs. The Gateways are not initially in an operational state.

- Table for TCID SA089R1 must be loaded on GSE and CS gateways under sd0:/tcid/SA089R1
- Valid SCID must loaded under sd0:/scid

Step	Description	Expected Results	Comments	TC	QA
1	Login to a CCW and open a xterm1. At the prompt: Type > ***login*** <Enter> Type> ***cma*** <Enter>				
2	Set environment Type> ***setenv DISPLAY :0*** <Enter>				
3	Bring up the MCP GUI Type> ***cd /clcs/boot/sct_cmtols/Exec*** <Enter> Type> ***./ocm_remote_conf &***<Enter>	The MCP GUI will appear. No platform will be shown until a type is chosen.			
4	Select a platform type of ”gateway” from pulldown menu.	The name of the type will appear above the activity and all of the platforms of that type will appear in the selection window.			
5	Push “Initialize” on the main MCP Screen.	A confirmation window will appear.			
6	Push “Confirm” on the confirmation window.	The confirmation window will close. Also the main MCP window will start to update the changing status.			
7	Wait for the MCP GUI to say the platforms are ”Ready”.	The GUI will first list the platform as ”Initializing” and then ”Initialized” if no error occurs. “Initialize Error” will be displayed if			

		an error occurs.			
8	When the MCP GUI says the gateway is ”Initialized”. Open xterm2 verify that the gateway has transitioned to the “Ready” state by looking for the strings. To find the current state of gateway. Open an xterm window: Type> ***telnet ide1gwgse1***<Enter> Type***> cgsGetCpuInitMode*** <Enter>	GSE FEPC in READY mode GCP detected that FEPC transitioned to mode 2. Return value if successful.			
9	When the MCP GUI says the gateway is ”Initialized”. Open xterm3 verify that the gateway has transitioned to the “Ready” state by looking for the strings. To find the current state of gateway. Open an xterm window: Type> ***telnet ide1gwcs1***<Enter> Type***> cgsGetCpuInitMode*** <Enter>	CS FEPC in READY mode GCP detected that FEPC transitioned to mode 2. Return value if successful.			
10	Push “Activate” on the main MCP Screen.	A confirmation window will appear.			
11	Push “Confirm” on the confirmation window.	The confirmation window will close. Also the main MCP window will start to update the changing status.			
12	Wait for the MCP GUI to say the platforms are ”Operational”.	The GUI will first list the platform as ”Activating” and then ”Operational” if no error occurs. “Activate Error” will appear if an error occurred while trying to activate the gateway			
13	When the MCP GUI says the gateway is ”Operational” on xterm2 to verify that the gateway has transitioned to the	GSE FEPC in Active mode GCP detected that FEPC transitioned to mode 3.			

	Active state by looking for the strings. To find the current state of gateway. On window2: Type>***telnet ide1gwgse1***<Enter> Type***> cgsGetCpuInitMode*** <Enter>	Return value should be 3.			
14	When the MCP GUI says the gateway is ”Operational” on xterm3 to verify that the gateway has transitioned to the Active state by looking for the strings. To find the current state of gateway. On xterm2 window: Type>***telnet ide1gwgse1***<Enter> Type***> cgsGetCpuInitMode*** <Enter>	CS FEPC in Active mode GCP detected that FEPC transitioned to mode 3. Return value should be 3.			
17	Push “Terminate” on the main MCP Screen.	A confirmation window will appear.			
18	Push “Confirm” on the confirmation window.	The confirmation window will close. Also the main MCP window will start to update the changing status.			
19	Wait for the MCP GUI to say the platform are ”Ready”.	The GUI will first list the platform as ”Terminating” and then ”Ready” if no error occurs. “Terminate Error” will be displayed if an error occurred while trying to terminate the gateway.			
20	When the MCP GUI says the gateway is ”Ready” on xterm2 verify that the gateway has transitioned to the Ready state by looking for the strings. To find the current state of gateway. Open an xterm window: Type> **telnet ide1gwgse1**<Enter>	GSE FEPC TERMINATED BY COMMAND GCP detected that FEPC transitioned to mode 2.			

	Type> **cgsGetCpuInitMode** <Enter>	Return value will be 2.			
21	When the MCP GUI says the gateway is ”Ready” on xterm3 verify that the gateway has transitioned to the Ready state by looking for the strings. To find the current state of gateway. Open an xterm window: Type> **telnet ide1gwcs1**<Enter> Type> **cgsGetCpuInitMode** <Enter>	CS FEPC TERMINATED BY COMMAND GCP detected that FEPC transitioned to mode 2. Return value will be 2.			
23	To exit the MCP GUI: - Pull down “File”. - Select “quit”				

End Time:

Signature Page: Procedure 3-7 – TESTCASE 2. Gateway Initialization, Activation and Termination for Multiple GWs

Gateway Initialization

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-8 - TESTCASE 1.
Activity Usage **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions - Activity Manager, two CCWS workstations, multiple predefined activities, with the CCWS workstations Loaded and initialized to the same activity, and have been logged in. At least one active and one non-active activity have been defined previously. Also need one CCWS Downloaded but not intialized.

Step	Description	Expected Results	Comments	TC	QA
1	From user's xterm, type: "/clcs/boot/sct_cmtools/Exec/ocm_ actu_main& <Enter> Login into another CCWS. Type "su cma""	Activity Usage is displayed. -Workstations, that are not configured ~~(Act_ID = -1),~~ are listed at the bottom of the screen.			
2	~~Bring up Activity Manager from another CCWS by typing:~~ "/clcs/boot/sct_cmtools/Exec/ocm_ actm_actmgr& <Enter>".	Activity Manager is displayed.			
3	From the Activity Manager, deactivate an activity other than 0. Push the confirm button on the confirm message screen. CIT Entry	Wait up to a minute for the Activity Select screen to refresh.			
4	Verify that the deactivated activity is removed from Active Activity List.				
5	From the Activity Manager, re-activate an activity. CIT Entry	Wait up to a minute for the Activity Select screen to refresh. Activity re-appears in the Active Activity List			
7	Quit Activity Manager.	Activity Manager exits.			
7a	If the Master Controller Pnel is not up, su	Master Controller Panel comes up			

	cma and type in "/clcs/boot/sct_cmtools/ocm_remote_conf"				
7b	Push unselected all on the Master Controller main screen.	All platforms are unselected			
7c	Select a download platform you wish to intialize. Note platform. CIT Entry_____	Platform is highlighted			
7d	Push Initialize	Confirmation window appears.			
7c	Push confirm	Platform status goes to Initializing and then Initialized.			
8	Verify that Activity Usage GUI on CCWS updates and shows that the other CCWS has been configured with an activity.	Activity Usage is displayed.			
9	Select an active activity by clicking on the left mouse button while the cursor is pointed to the activity. Click on the "Close" button.	Workstation/Activity Information is displayed with content of the selected activity. GUI displays Activity Information: ID, Name, Type, Tail ID, Flight ID, End Item Location, TCID/SCID Verification, TCID/SCID Baseline, and Comments. Info window closes			
10	Select a non-active activity by clicking on the left mouse button while the cursor is pointed to the activity.	Workstation/Activity Information is displayed. ~~Info window closes.~~ GUI displays Activity Information:			

	Click on the “Close” button.	ID, Name, Type, Tail ID, Flight ID, End Item Location, TCID/SCID Verification, TCID/SCID Baseline, and Comments. Info window closes.			
11	Select a CCWS name by clicking on the left mouse button while the cursor is pointed to the CCWS name. Click on the “Close” button.	This will display the Workstation name, its IP address, and its available aliases on the Activity/Workstation information pop-up window. Window closes.			
12	Click on the left button while the cursor is pointed to the ”Edit” label of the menu bar.	The pulldown list associated with the ”Edit” option contains the ”Find” option.			
13	Click on the left button while cursor is pointed to the ”Find” label of the pulldown list.	The ”Find String” pop up window will appear. The following is displayed on the GUI: Search String Field, Forward, Backward, and Cancel buttons.			
14	Press Cancel	Find window closes			
15	Another option to find a string is to press “Ctrl-f” from the keypad.	This will also bring up the ”Find String” pop up window.			
16	Enter a string in the Search String field.	String is displayed in string field. The matched item returned from the search is selected and its information is displayed on the Activity/Workstation information pop-up. However, if no match is found, ”No match.” message is displayed on the Find String pop-up.			
17	Click on ”Forward”.	This will search forward for string.			

18	Click on ”Backward”.	This will search backward for string.			
19	Click on ”Cancel”.	This will ~~get out of search mode~~close the “Find String” pop up window..			
19a	Click on Close button	The Activity Workstation information screen closes.			
20	Click the left mouse button while the cursor is pointed to the ”File” label of the menu bar.	”Save As”, ”Print”, and ”Quit” is displayed in the pulldown list of file options.			
21	Click on ”Save As” label in the pulldown list.	”Save As” pop up is displayed. The following contents of the screen: The Directories, Filter text field, Directory text field, and File Name text field. OK, Filter, and Cancel pushbuttons. The “Directory” label is in bold font (not gray)	Issue 117		
22	View directories listed in the screen.	There is a list of directories a file can be saved under.			
23	To save activity usage information to a file, click on directory path/.. from Directories list.	This directory will be displayed in the Filter text field. ~~above and Directory text field below.~~			
24	Double ~~C~~click on the path entry in the Directories list to navigate to the directory.	This will also be displayed to the Filter text field and in the Directory text field below.			
25	Enter ~~the~~ a file name in the File Name field. _____ CIT Entry	The name of the file will appear in the File Name text field.			
26	Click on ”~~Save~~OK ”.	This will save directory to file. The window closes.			
27	Another option to save a file is to press Ctrl-s from the keypad. Press	This will also bring up the ”Save As” window.			

	"Cancel" to close the ~~File~~ save as window.				
28	From the user's xterm, enter the directory path that was saved from the Directory list.	~~Use vi editor to check to see if activity information was saved to file.~~			
28a	Enter ":q" to quit vi editor. Use vi editor to check to see if activity information was saved to file.	Activity and workstation information from the activity usage screen matches the content of the file.			
29	To exit activity usage tool, click on "File".	This will activate the pulldown list of file options, one of which contains the "Quit" label.			
30	Click on "Quit".	This will exit the Activity Usage tool.			
31	Bring Activity Usage up. Type: "/clcs/boot/sct_cmtools/Exec/ocm_ actu_main& <Enter>"	Restarts Activity Usage.			
32	Another option to quit this tool is to press "Ctrl-q" from the keypad.	This will also exit the Activity Usage tool.			

End Time:

Signature Page: Procedure 3-8 - TESTCASE 1.
Activity Usage

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Procedure 3-9 - TESTCASE 1. PPT APIs

PPT APIs **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions – Root Authority will be needed

Step	Description	Expected Results	Comments	TC	QA
1.	Have someone with root access remove log files from "/clcs/rw_local/scid/sct_cmtools/conf" and "/clcs/rw_local/scid/sct_cmtools/deconf"				
2.	Log on to a CCWS. On the CCWS, type: "cd /clcs/boot/sct_cmtools/Exec ocm_npt_show <Enter>"	Verify the user information is shown (1) User Name (2) Position Name (3) Position Home Directory (4) Platform Name (5) RSYS (May not have data) (6)Domain (does not have data)			
3.	Type: "source /usr/local/boot_env_vars.txt <Enter>" "setenv ACT_DEF_FILE /clcs/act_def/ ~~thor/~~activities/Activity2 <Enter>" "cd /clcs/boot/sct_cmtools/Exec <Enter>" "ocm_npt_d_config <Enter>" "ocm_npt_show <Enter>"	Verify that the activity information is set. Note there are 10 variables such as (1) activity ID (2) activity name (3) activity type (4) activity SCID (5) activity TCID (6) SCID verify level (7) TCID verify level (8) Tail ID	The Activity chosen can be any valid active activity		

		(9) Flight ID (10) End Item Location			
4.	Type: ”ocm_npt_d_deconf <Enter>” ”ocm_npt_show <Enter>”	Verify that Activity information is cleared out on the screen.			
5.	Type: ”ipcs –a <Enter>”	Verify shared memory and semaphores with key 0x 0000195a are still there. KEY m... 0x 195a s ... 0x 195a			
6.	Type: ”ocm_npt_d_config <Enter>” ”ocm_npt_logout <Enter>” ”ocm_npt_show <Enter>”	Verify that user information is cleared out. and the activity information remains			
7.	Type: ”ipcs –a <Enter>”	Same as step 5.			
8.	Type: ”ocm_npt_login <Enter>” ”ocm_npt_show <Enter>”	~~Verify the user information and activity information are listed. Verify that there are fields for each DP3 requirement 5.1.a - j.~~ Same results as step 2&3			
9.	Type: ”ocm_npt_logout <Enter>” ”ocm_npt_show <Enter>”	Verify that only users information is cleared out			
10.	Type: ”ipcs –a <Enter>”	Verify the share memory and semaphore are still there.			
11.	Type: ”ocm_npt_d_config <Enter>” ”ocm_npt_show <Enter>”	Make sure the activity data is back			
12.	Perform Standard Operating Procedure D-1 to examine logging.	Logs are successfully written			

End Time:

Procedure 3-9 - TESTCASE 1. PPT APIs

PPT APIs

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Quality Assurance **Date**

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Test Conductor **Date**

Comments:

Appendix A Acronyms and Definitions

API	Application Program Interface
ATM	Asynchronous Transfer Mode
CCP	Command, Control Processor
CCWS	Command & Control Workstation
CI	Configuration Item
CIT	CSCI Integration Test
CLCS	Checkout and Launch Control System
CM	Configuration Management
CMTOOLS	Configuration Management Tools
COTS	Commercial Off The Shelf
CSC	Computer Software Component
CSCI	Computer Software Configuration Item
CVT	Current Value Table
DCN	Display and Control Network
DDP	Data Distribution Processor
DF	Data Fusion
DH	Data Health
EDL	Engineering Development Laboratory
EIM	End Item Manager
FD	Function Designator
GSE	Ground Support Equipment
GUI	Graphic User Interface
G/W	Gateway
HCI	Human Computer Interface
HIM	Hardware Interface Module
HMF	Hypergol Maintenance Facility
HW	Hardware
HWCI	Hardware Configuration Item
I/O	Input/Output
ID	Identification
IDE	Integrated Development Environment

I/F	Interface
JSC	Johnson Space Center
KSC	Kennedy Space Center
LAN	Local Area Network
LCC	Launch Control Center
LMSMSS	Lockheed Martin Space Mission Systems and Services
LPS	Launch Processing System
NASA	National Aeronautics and Space Administration
MCWS	Master Control Workstation
MCP	Master Control Panel
MSC	Mission Systems Contract (held by LMSMSS)
OLDB	Online Data Bank
OPSCM	Operations Configuration Management
OS	Operating System
PCC	Processing Control Center
PPT	Platform Parameter Table
PR	Problem Report
PTR	Post-Test Review
QA	Quality Assurance
QE	Quality Engineering
QT	Qualification Test
RLV	Reusable Launch Vehicle
RTCN	Real Time Control Network
RTPS	Real Time Processing System
RVM	Requirements Verification Matrix
SDC	Shuttle Data Center
SDE	Satellite Development Environment
SEMP	System Engineering Management Plan
SFOC	Space Flight Operations Contract (held by USA)
ST	System Test

SLWT	Super Light Weight Tank
S&MA	Safety and Mission Assurance (includes Reliability, Maintainability, Safety and Quality Assurance)
SCID	Software Configuration Identifier
STS	Space Transportation System
SW	Software
TC	Test Conductor
TCID	Test Configuration Identifier
TPR	Test Progress Review
TR	Test Report
TRR	Test Readiness Review
UIT	Unit Integration Test
USA	United Space Alliance
UT	Unit Test
Validation	Testing performed by organization(s) outside of the developing organization to ensure that the delivered system processes data correctly and conforms to the operations concepts

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Appendix B Requirements Traceability And Test Methods Matrix

The following table is intended to show which CLCS Functional Requirement is demonstrated in each CLCS *Data Distribution & Processing CSCI/Data Distribution Processing CSC* CSCI Integration Test (CIT) and what test method was used in that test case. This table will be updated and baselined with each CIT starting with the Thor Delivery.

Functional Requirement	Traced SLS Requirement	CI Test	Test Case	Test Method			
				Inspection	Analysis	Demo	Test
1.2.3.1 a-f	2.2.9.1.10 / 2.2.9.1.13	Thor CIT	3-1-1	X			
1.2.3.2	2.2.9.1.10 / . 2.2.9.1.13	Thor CIT	3-1			X	
1.2.3.3	2.2.9.1.10 / 2.2.9.1.13	Thor CIT	3-1				X
1.2.3.4	2.2.9.1.10 / . 2.2.9.1.13	Thor CIT	3-1				X
1.2.3.5	2.2.9.1.10 / . 2.2.9.1.13	Thor CIT	3-1				X
1.2.3.6	2.2.9.1.10 / . 2.2.9.1.13	Thor CIT	3-1				X
1.2.3.7	2.2.9.1.10 / 2.2.9.1.13	Thor CIT	3-1				X
1.2.3.8	2.2.9.1.10 / 2.2.9.1.13	Thor CIT	3-1				X
1.2.3.9	2.2.9.1.10 / . 2.2.9.1.13	Thor CIT	3-1				X
1.2.3.10	2.2.9.1.10 / 2.2.9.1.13	Thor CIT	3-1				X
1.2.3.11	N / A	Future					X
1.2.3.12	N / A	Thor CIT	3-1				X

1.2.3.13	N / A	Thor CIT	3-1				X
1.2.3.14	N / A	Thor CIT	3-1				X
1.2.3.15 - 23	N / A	Future					X
1.2.4.1	2.2.9.1.3 / 2.2.9.1.5	Thor CIT	3-2-all			X	
1.2.4.2	2.2.9.1.3 / 2.2.9.1.4	Thor CIT	3-2-1	X			
1.2.4.3	2.2.9.1.3 / 2.2.9.1.4	Thor CIT	3-2-2				X
1.2.4.4	2.2.9.1.3 / 2.2.9.1.4	Thor CIT	3-2-3				X
1.2.4.5	2.2.9.1.3 / 2.2.9.1.4	Thor CIT	3-2-4				X
1.2.4.6	2.2.9.1.3 / 2.2.9.1.4	Thor CIT	3-2-4				X
1.2.4.7	2.2.9.1.12	Thor CIT	3-2-5				X
1.2.4.8	2.2.9.1.12	Thor CIT	3-2-5				X
1.2.4.9	2.2.9.1.12	Thor CIT	3-2-5				X
1.2.4.10	2.2.9.1.12	Thor CIT	3-2-2 3-2-3				X
1.2.4.11	2.2.9.1.12	Thor CIT	3-2-2 3-2-3				X
1.2.4.12	2.2.9.1.16	Thor CIT	3-8				X
1.2.4.13	2.2.9.1.15	Thor CIT	3-2-2 3-2-3				X
1.2.4.14	2.2.9.1.12	Thor CIT	3-2-2 3-2-3				
1.2.4.15	N / A	Deleted	N/A				
1.2.4.16	N / A	Deleted	N/A				
1.2.4.17	N / A	Deleted	N/A				
1.2.4.18	N / A	Deleted	N/A				
1.2.4.19	N / A	Deleted	N/A				
1.2.5.1	2.2.9.1.15.2	Thor CIT	3-3-1 3-4-2				X
1.2.5.2	2.2.9.1.15.3	Thor CIT	3-3-2 3-4-1				X
1.2.5.3	2.2.9.1.17	Thor CIT	3-3-3 3-4-3				X

1.2.5.4	2.2.9.1.3 / .5	Thor CIT	3-3-all 3-4				X
1.2.5.5	2.2.9.1.2	Thor CIT	3-3-3 3-4				X
1.2.5.6	2.2.9.1.3	Thor CIT	3-3-3 3-4				X
1.2.5.7	2.2.9.1.16	Thor CIT	3-3-3 3-4				X
1.2.5.8	2.2.9.1.17	Thor CIT	3-3-2 3-4				X
1.2.5.9	2.2.9.1.17	Thor CIT	3-3-1 3-4				X
1.2.5.10	2.2.9.1.17	Thor CIT	3-3-1 3-3-2 3-4				X
1.2.5.11	2.2.9.1.16	Thor CIT	3-3-1 3-3-2 3-4				X
1.2.5.12	2.2.9.1.17	Thor CIT	3-3-1 3-3-2 3-4	X			
1.2.5.13	2.2.9.1.17	Thor CIT	3-3-1 3-3-23-4	X			
1.2.5.15	2.2.9.1.6	Thor CIT	3-3, 3-8				X
1.2.5.16	2.2.9.1.19	Thor CIT	3-3				X
1.2.5.17	2.2.9.1.17	Thor CIT	3-3,3-4-all				X
1.2.5.18	2.2.9.1.16	Thor CIT	N/A				
1.2.6.1a	2.2.9.1.10	Thor CIT	3-5-1 3-6-1 3-6-1 3-4-4 3-7-1,3-9				X
1.2.6.1b	2.2.9.1.12	Thor CIT	3-5-1				X

			3-9				
1.2.6.1c	. 2.2.9.12 /2.2.9.1.5	Thor CIT	3-4-4 3-5-1 3-6-1 3-6-2 3-7-1,3-9	X			
1.2.6.1d	2.2.9.1.13	Thor CIT	3-3-1 3-6-3 3-9			X	
1.2.6.1e	2.2.9.1.13	Thor CIT	3-5-1 3-6-1 3-9	X			
1.2.6.1f	2.2.9.1.17	Thor CIT	3-5-1 3-6-1 3-9	X			
1.2.61g	2.2.9.1.17	Thor CIT	3-5-1 3-6-2 3-6-4 3-9				X
1.2.6.1h	2.2.9.1.17	Thor CIT	3-5-1 3-6-2 3-6-4 3-9				X
1.2.6.1i	2.2.9.1.17	Thor CIT	3-5-1 3-6-2 3-6-4 3-9				X
1.2.6.2a	2.2.9.1.13	Thor CIT	3-5-1	X			
1.2.6.2b	2.2.9.1.13	Thor CIT	3-5-1	X			
1.2.6.2c	2.2.9.1.13	Thor CIT	3-9				X
1.2.6.2d	2.2.9.1.13	Thor CIT	3-11				X
1.2.6.2e	2.2.9.1.13	Thor CIT	3-11				X
1.2.6.3a	2.2.9.1.13	Thor CIT	3-6-1 3-9	X			X

1.2.6.3b	2.2.9.1.13	Thor CIT	3-6-1 3-9				X
1.2.6.3c	2.2.9.1.13	Thor CIT	3-6-1 3-9	X			
1.2.6.3d	2.2.9.1.13	Thor CIT	3-9				X
1.2.6.4a	2.2.9.1.7	Thor CIT	3-7-1				X
1.2.6.4b	2.2.9.1.7	Thor CIT	3-7-1	X			
1.2.6.4c	2.2.9.1.7	Thor CIT	3-7-1	X			
1.2.7.1a-n (f, g, i and j deleted)	2.2.9.1.13	Thor CIT	3-5-1 3-6-1 3-9 3-10-1	X			
1.2.7.2	2.2.9.1.13	Thor CIT	3-10-1	X			
1.2.7.3	2.2.9.1.13	Thor CIT	3-10-1	X			
1.2.7.4	2.2.9.1.13	Thor CIT	3-10-1 3-11-1				X
1.2.7.5	2.2.9.1.13	Thor CIT	3-4-1	X			
1.2.7.6 a-f	2.2.9.1.3	Thor CIT	3-4-1	X			
1.2.8.1	2.2.9.1.16 / 2.2.9.1.18	Thor CIT	3-2,,3-3,3-4,3-5,3-6,3-7,3-8,3-9,3-10,3-11	X			
1.2.8.2	2.2.9.1.16 / 2.2.9.1.18	Thor CIT	3-2,3-3,3-4,3-5,3-6,3-7,3-8,3-9,3-10,3-11	X			
1.2.8.3		Thor CIT	3-2,3-3,3-4,3-5,3-6,3-7,3-8,3-9,3-10,3-11	X			
1.2.8.4		Thor CIT	3-10	X			
1.2.8.5		Thor CIT	3-3,3-2,3-4,3-5,3-6,3-	X			

			7,3-8,3-9,3-10,3-11				
1.2.8.6	2.2.4.2.3 / 2.2.10.1.19	Thor CIT	3-5,3-6,3-7,3-9	X			
1.2.8.7	2.2.4.2.3 / 2.2.10.1.19	Thor CIT	3-5,3-6,3-7,3-9	X			
1.2.8.8		Thor CIT	3-2,3-3,3-4,3-5,3-6,3-73-8,3-9,3-10,3-11	X			

The following Table shows the SCT / OPSCM issues that are tested in this CIT document.

Issue	Title	Test Case
I-117	Activity Usage Label grayed out	3-7.1
I-179	Download verify fails on empty repositories	3-3.1
I-181	Intermittent failure of D/L daemon on Origins	3-3.1, 3-5.1, 3-5.2, 3-5.3, 3-5.4
I-248	Multiple Processes running on ccp / ddp	3-3.4
I-250	OCM Remote Daemon process dies	3-3.1, 3-5.1, 3-5.2, 3-5.3, 3-5.4
I-270	Multiple processes still running on HCI after deconfigure	3-5.4
I-333	OPSCM checkin file does not tar linked files	3-1.???

I-349	Cannot Download GSE GW in IDE	3-4.3
I-354	System control daemon dies on ddp	3-3.1, 3-5.1, 3-5.2, 3-5.3, 3-5.4
I-364	GW USRC daemon not running on IDE boot1	3-4.1
I-378 *	Boot / CM server mount exports missing	3-2.1

* Indicates that these are not OPSCM issues, but are addressed within the OPSCM test procedures

Appendix C Resource Requirements

Many of the System Control tests will require authorized users (users with root or cma access) in order to test and run the required software.

Due to the nature of the OPSCM CSC, many of the tests will have to be run with a dedicated test environment (i.e. full download and configure of servers, gateways, and/or CCWS's). For this reason, system administrators with root access will need to be present for all testing in addition to the Test Conductor and QA personnel. OPSCM anticipates performing the CIT in the dedicated IDE environment. This will include access to all CCWS, CCP, DDP, CM Server, and Gateway hardware.

Many of the tests in this document will be performed on multiple target platforms to adequately test the requirements. In cases where insufficient hardware is available to follow the test scripts as written, the procedures will be modified to fit the available resources.

Appendix D Standard Test Operating Procedures

Defines frequently used test or test setup procedures. These procedures are usually called as a single step within a test case.

Procedure D.1 - Procedure Name Common Logging verification

This is a standard test procedure run at the end of each test case to verify that the tool being tested is logging properly.

Procedure D-1 - TESTCASE 1. Standard logging **Date:** **Location:** **Start Time:**					
Test Setup/Initial Conditions - None (run as part of testcases defined in this document					
Step	**Description**	**Expected Results**	**Comments**	**TC**	**QA**
1.	On the target platform type: "cd /clcs/rw_local/scid/sct_cmtools <Enter>".				
2.	Type: "ls –al <Enter>"	Lists the cmtools directories and local log files written to ~~rw_local~~sct_cmtools~~-~~. The files include usrc.out. On the CM Server the gwusrc.log<date><time> files are also present. ~~Other directories containing lls style logs may include login, conf, deconf, download, npt, actm, and usrc.~~	Other directories containing lls style logs may include login, conf, deconf, download, npt, actm, and usrc.		
3.	View the log file (s) corresponding to the tool being tested. For ssv_lls logs,	Logs will show that initialization, termination, status info, and errors are	Issue D-15		

	type: “cd <dir_name of application>” “ls –l” “strings <logfile_name> <Enter>” For cmtools logs, type: “view <filename> <Enter>” On the CM Server, type: “more <filename> <Enter>”	logged appropriately. Lists Log filenames.	Locate most recent file name in the directory for <logfile_name>		

End Time:

Signature Page: Procedure D-1 - TESTCASE 1. Standard logging

_____ ____
Quality Assurance **Date**

_____ _____
Test Conductor **Date**

Comments:

Procedure D.2 - Procedure Name Loading Target Platforms Without a Download:

This is a standard procedure run by the Integration and Test personnel or other appropriate authority to manually load the target platforms with their baselines and boot_rep files before initialization.

Procedure D-2 - TESTCASE 1. Loading Target Platforms Without Download **Date:** **Location:** **Start Time:**					
Test Setup/Initial Conditions - None (run as part of test cases defined in this document)					
Step	**Description**	**Expected Results**	**Comments**	**TC**	**QA**
1.	CMAs will copy the baseline to be used for the CIT into the target environment's CM server.				
2.	The baselines are copied out to the target platforms under the SCID and TCID directories, and untar'd.	Verify that the SCID and TCID files appear in the directories specified in the OPSCM DP3 directory structure diagrams.			
3.	The boot_rep files are also installed on the CCWS, DDP, CCP and CM server by copying them to the directories specified in the OPSCM DP3 directory structure diagrams.				
4.	The /clcs/boot/sct_cmtools/Exec/ ocm_perms file on each platform needs to be changed to root:sys and 755 permissions, and executed.	This will set the remaining permissions and ownership of the boot files (and other repositories if present).			
5.	System Control and ssv_nrs both have daemon processes that are initialized at boot time.	If the boot_rep contains new versions of these daemons, then the platforms must be rebooted			
6.	Create a new activity with the Activity Manager that includes the new SCID				

	and/or TCID baselines.				
7.	The activity files from the /clcs/act_def/ activities on the CM Server are then pushed out to the target platform's /clcs/act_def/ activities directory.	If any new /clcs/act_def/data files were provided, they too must be pushed out to the target platforms.			
8.	At each local platform (Including CCP and DDP) the activity file to be used by the test must be established. This is done with the following steps: • Source the /usr/local/boot_env_vars.txt file • Set the environment variable ACT_DEF_FILE to /clcs/act_def/ activities/Activity## (where ## is the activity number selected). • Perform the command /clcs/boot/ sct_cmtools/Exec/ocm_npt_d_config • Copy the activity file selected above into the file /clcs/rw_local/scid/ sct_cmtools/current-activity_file. • The user may now login to the CCWS and initialization will begin. The CCP and DDP can be initialized with the remote configure tool (/clcs/boot/sct_cmtools/ Exec/ocm_remote_conf).	This establishes a minimal set of environment variables needed for the ppt API to perform logging. This loads the activity information into the platform parameter table. This is used by OPSCM as a backup in case the PPT goes south - i.e. platform is rebooted.			

End Time:

Signature Page: Procedure D-2 - TESTCASE 1. Loading Target Platforms Without Download

_____ _____

Quality Assurance **Date**

_____ _____

Test Conductor **Date**

Comments:

APPENDIX E – THOR MODIFIED POS-LOGIN CIT PROCEDURES

1. SCOPE

This document defines the test approach and procedures to be executed for the Thor delivery of System Control CSCI / CMTOOLS and Operational Configuration Management (OPSCM) CSCs by CLCS Software Development. Testing will occur at the Kennedy Space Center in the Processing Control Center (PCC) Satellite Development Environment (SDE) and the Integrated Development Environment in the Lunch Control Center.

1.1 IDENTIFICATION

This document is the Checkout and Launch Control System (CLCS) Thor Delivery CSCI Integration Test Procedures for System Control CSCI / CMTOOLS and OPSCM CSC Document, 84K06576-002-02 Rev A.

1.2 PURPOSE

The purpose of this document is to define a suite of test procedures that will accurately assess the delivered software to ensure it is functional and meets project commitments for the Thor delivery.

1.3 CSCI OVERVIEW

The System Control CSCI is composed of the following CSCs: OPSCM CSC, CMTOOLS CSC and Global CSC. The CMTOOLS CSC resides in the Data Distribution Processor (DDP), the Command and Control Workstation (CCWS), and the Command and Control Processor (CCP). The System Control CSCI coordinates the collection and distribution of software baselines and configuration managed data from the build output area to the final directory structure on each target platform. System Control supports the concept of activities, which allow master controllers to define the software baselines and target platforms required to support a given test run or mission.

1.5 HARDWARE AND SOFTWARE CONFIGURATIONS

OPSCM requires entire test sets for CIT testing. This includes CCWS, DDPs, CCPs, gateways, CM Servers and the Auspex. Drawings for the IDE test set OPSCM uses for testing can be found at the following URL: http://sph57.ksc.nasa.gov/clcsweb/CMSN-Drawings/ide/ide001.htm.

1.5 DOCUMENT ORGANIZATION

This document is divided into three sections and four appendices:

Section 1, Scope discusses the purpose of the CSCI Integration Test, provides a system overview, and describes software and hardware configurations for the system.

Section 2, Applicable Documents, lists the documents used to create and those supporting this document

Section 3, Test Case Description, contains a description of the test cases, the pass fail criteria, and the procedures in detail

Appendix A, Note: the acronym list is the same as that established in the attached OPSCM document Appendix A.

Appendix B, Requirements Traceability and Test Methods Matrix, contains the requirements verification matrix for the test

Appendix C, Resource Requirements, are covered in the accompanying OPSCM document.

Appendix D, Standard Operating Test Procedures, are covered in the accompanying OPSCM document.

2. APPLICABLE DOCUMENTATION

Refer to the accompanying OPSCM CIT Procedures Document (84K06576-002-02 Rev A) for applicable documents.

3. TEST CASE DESCRIPTION

This section describes each test case, the expected results, the pass/fail criteria, and a step by step procedure to execute the test. Appendix B contains the Requirements Traceability and Test Methods Matrix, which maps functional requirements to the test case that verifies those requirements.

This section is appended to the OPSCM CIT Procedures document (84K06576-002-02 Rev A) as a courtesy for completeness of requirements testing for the pos-login capability. Failure of this test procedure does not invalidate the remaining OPSCM test cases.

3.2 MODIFIED POSITIONAL LOGIN

The Positional Login (Pos-login) software is considered part of the CLCS OS. Its purpose is to validate the user id of the person logging in, but to start up the system under a default Unix group and user.

3.1.1 Test Description

3.1.1.1 Detailed Description

This test case will demonstrate the ability to take a valid user login, and start the initialization of the CLCS CCWS subsystem. Pos-login is not responsible for insuring a complete initialization. Its function is to attempt to start the initialization process. Pos-login will produce files and environment variables used by other processes to validate the login, and start processes accordingly.

3.1.1.2 Resources Requirements

3.1.1.2.1 Test Personnel

Personnel required include

1. Test Conductors - System Control Engineers experienced with the software being tested.
2. Quality Assurance Witness

3.1.1.2.2 Hardware

The following hardware is required:

- 1 CCWS
- Rlogin to the CM Server, CCP and DDP are required to validate new directories requested on these platforms

3.1.1.2.3 Software

The following software is required:

- Approved OS plus the additional modifications to passwords, and pos-login software. Pos-login attempts to use SCT OPSCM APIs and code to launch the initialization process.

3.1.1.2.4 Data

The following data is required:

- Pos-login requires no additional external data

3.1.1.3 Requirements Summary

the source of the pos-login requirements is the OPSCM DP3 addendum document (84K0570-010; 12/12/97), section titled Requirements for the removal of Pos-Login, page 4. This test case demonstrates that the following functional requirements are met:

Requirement Number	Description
1.a	Removal of multiple position selection capability
1.b	Removal of shift change
1.c	/usr/local files
1.d	$CCCPOSITION
1.e	Mwm session is established as uid=clcsuser, and gid=clcsuser
1.h	Initial login requirements
1.k	Home account establishment
1.l	Removal of logout

3.1.2 Pass/Fail Criteria

Successful completion of the test procedures without any problems that would result in the generation of any critical issues and without an excessive number of major issue reports will be sufficient for this test to be considered passed. Failure of this procedure does not invalidate the OPSCM CIT procedures.

3.1.3 Procedure

Procedure E - TESTCASE 1. Login and inspection.
Positional Login **Date:** **Location:** **Start Time:**

Test Setup/Initial Conditions – Proper password files are loaded and Pos-login installed on the CCWS. This should be established with the default Thor OS load.

Step	Description	Expected Results	Comments	TC	QA
1	Reboot a CCWS	Standard login screen appears			
2	Log on as any valid user	OPSCM configure / deconfigure message screen appears. If the message screen shows a cofniguration failure, press the Close button. A successful initialization is not necessary to complete this test procedure.	Validates Issue 369		
3	After the message screen closes, Press the right mouse button	A limited menu appears. The menu does not contain shift change or logout.			
4	Select "xterm" from the mouse menu and release the button	xterm appears.			
5	Type: "pwd <Enter>"	Current directory is /clcs/rw_temp/scid/clcsuser~~users/cma~~	Issue 376		
6	Type: "id <Enter>"	The display show that both user and group = clcsuser. The Uid# = gid#.			
7	Type the following" "cd /usr/local <Enter>" "cat position <Enter>" "cat position_id <Enter>"	 Position = clcsuser Note Position id			

	" cat user_name <Enter>" " cat user_id <Enter>"	User = clcsuser User_it = Position_id			
8	Type "echo $CCCPOSITION <Enter>"	CCCPOSITION=clcsuser			
9	Type: "view boot_env_vars.txt <Enter>" ":q! <Enter>" will quit the vi editor	Note that CCCPOSITION is set to clcsuser; POS_HOME = /clcs/rw_temp/scid/clcsuser	Issue 376		
10	Type: "grep clcsuser /etc/passwd <Enter>" "grep swdfault /etc/passwd <Enter>" "grep ldslog /etc/passwd <Enter>"	Clcsuser's default home is /clcs/rw_temp/scid/clcsuser, and the user ID and group matches the position id in step 7. There exist password file entries for swdfault and ldslog	Issue 376		
11	Type the following: "cd /usr/lib/X11/xdm <Enter>" "view Xsession" <Enter>" ":q!" <Enter>"	Examine the lines where HOME and home are set. Both are set to /clcs/rw_temp/scid/$USER. Also note that the call to /usr/lib/X11/xdm /log_win has been moved after the HOME and USER variables have been set. (~~(Issue 376)~~	Issue 376 Issue 415		
12	Examine the source code for pos-login Type: "view ~~/~~ GiveConsole <Enter>" ":q!" <Enter>"	Contains the following lines specified in Issue 369: "# For Thor, clcsuser is in local host file" "# echo `ypcat passwd|grep clcsuser|awk -F':' '{print $3}'` > /usr/local/user_id" "echo `cat /etc/passwd|grep clcsuser|awk -F':' '{print $3}'` > /usr/local/user_id"	Satisfies Issue 369		
13	Type:	~~The file "log_win.c"~~ Sshows that both "/clcs/boot/sct_cmtools/Exec/ocm_npt_			

	"strings / log_win <Enter>"	login" and "/clcs/boot/sct_cmtools/Exec/ ocm_ocma_conf_main INITIALIZE" are called.			
14	Type the following: "cd /clcs/rw_temp/scid <Enter>" "ls <Enter>" "cd /clcs/rw_local/scid <Enter>" "ls <Enter>" "cd /users <Enter>" "ls <Enter>"	 clcsuser directory exists clcsuser directory exists cma and clcsuser directories exist (there may be additional directories in each of these areas)	Issue 370		
15a	Type: "su cma <Enter>" and enter the password.				
15b	Type: "id <Enter>"	uid=100 (cma) gid=100 (cma)			
16	Type: "rlogin cm-server <Enter> Enter the password" "cd /clcs/act_def <Enter>"				
17	Type: "ls –Rl * <Enter>" Log off of the server when done by typing "exit". Type "exit" again to "logout" of cma	/thor directory exists with subdirectories for /activities and /data. (Other directories exist as well.)	Issue 370		

End Time:

Signature Page: Procedure E - TESTCASE 1. Login and inspection. Positional Login

_____ _____

Quality Assurance **Date**

_____ _____

Test Conductor **Date**

Comments:

Appendix A Acronyms and Definitions

Refer to attached OPSCM CIT Procedures Document (84K06576-002-02 Rev A), Appendix A for Acronym list.

Appendix B Requirements Traceability And Test Methods Matrix

The following table is intended to show which CLCS Functional Requirement is demonstrated in each CLCS *Data Distribution & Processing CSCI/Data Distribution Processing CSC* CSCI Integration Test (CIT) and what test method was used in that test case. This table will be updated and baselined with each CIT starting with the Thor Delivery.

Functional Requirement	Traced SLS Requirement	CI Test	Test Case	Test Method			
				Inspection	Analysis	Demo	Test
1.a		Thor CIT	3-1	X			
1.b		Thor CIT	3-1	X			
1.c		Thor CIT	3-1	X			
1.d		Thor CIT	3-1	X			
1.e		Thor CIT	3-1	X			
1.h		Thor CIT	3-1	X			
1.k		Thor CIT	3-1	X			
1.l		Thor CIT	3-1	X			

Appendix C Resource Requirements

This test procedure requires no special resource requirements. It is run on any CCWS workstation with a valid Thor OS load and a current version of the Thor “boot_rep” CSCs installed under /clcs/boot. These CSCs are sct_cmtools, sct_global, ssv_nrs, and ssv_rm. The “ocm_perms script must have been run.

Appendix D Standard Test Operating Procedures

None